

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_R\Data\VR120425\  
 Data File : VR026792.D  
 Acq On : 4 Dec 2025 13:05  
 Operator : SY/MD  
 Sample : VSTDICC020  
 Misc : 5.00g/5mL/MSVOA\_R/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTDICC020

Quant Time: Dec 05 03:47:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_R\methods\82R120425S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:44:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|------------------------------|--------|------|----------|---------|---------|----------|
| -----                        |        |      |          |         |         |          |
| Internal Standards           |        |      |          |         |         |          |
| 1) Pentafluorobenzene        | 7.796  | 168  | 597089   | 50.000  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.771  | 114  | 1091713  | 50.000  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 11.921 | 117  | 1110698  | 50.000  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 14.124 | 152  | 694349   | 50.000  | ug/l    | 0.00     |
| System Monitoring Compounds  |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4    | 8.172  | 65   | 137638   | 18.947  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 37.900% |          |
| 35) Dibromofluoromethane     | 7.725  | 113  | 114833   | 18.561  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 37.120% |          |
| 50) Toluene-d8               | 10.434 | 98   | 526121   | 18.058  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 36.120% |          |
| 62) 4-Bromofluorobenzene     | 13.055 | 95   | 213570   | 19.073  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 38.140% |          |
| Target Compounds             |        |      |          |         |         |          |
|                              |        |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.991  | 85   | 141941   | 21.071  | ug/l    | 99       |
| 3) Chloromethane             | 2.197  | 50   | 179751   | 19.325  | ug/l    | 97       |
| 4) Vinyl Chloride            | 2.326  | 62   | 192464   | 18.846  | ug/l    | 98       |
| 5) Bromomethane              | 2.672  | 94   | 194500   | 22.405  | ug/l    | 89       |
| 6) Chloroethane              | 2.808  | 64   | 129634   | 18.346  | ug/l    | 96       |
| 7) Trichlorofluoromethane    | 3.143  | 101  | 300685   | 18.470  | ug/l    | 99       |
| 8) Diethyl Ether             | 3.566  | 74   | 71670    | 18.815  | ug/l    | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 3.906  | 101  | 154265   | 20.199  | ug/l    | 96       |
| 10) Methyl Iodide            | 4.094  | 142  | 133144   | 18.245  | ug/l    | 93       |
| 11) Tert butyl alcohol       | 4.923  | 59   | 189201   | 77.801  | ug/l #  | 93       |
| 12) 1,1-Dichloroethene       | 3.877  | 96   | 142091   | 19.047  | ug/l    | 94       |
| 13) Acrolein                 | 3.759  | 56   | 25082    | 140.538 | ug/l    | 98       |
| 14) Allyl chloride           | 4.476  | 41   | 258247   | 18.956  | ug/l    | 95       |
| 15) Acrylonitrile            | 5.146  | 53   | 211413   | 96.732  | ug/l    | 97       |
| 16) Acetone                  | 3.977  | 43   | 350666   | 110.844 | ug/l    | 99       |
| 17) Carbon Disulfide         | 4.194  | 76   | 432972   | 19.007  | ug/l #  | 93       |
| 18) Methyl Acetate           | 4.494  | 43   | 99049    | 15.330  | ug/l    | 99       |
| 19) Methyl tert-butyl Ether  | 5.211  | 73   | 380183   | 19.832  | ug/l    | 94       |
| 20) Methylene Chloride       | 4.694  | 84   | 169400   | 18.680  | ug/l    | 95       |
| 21) trans-1,2-Dichloroethene | 5.187  | 96   | 153342   | 18.870  | ug/l    | 93       |
| 22) Diisopropyl ether        | 6.104  | 45   | 534823   | 19.314  | ug/l #  | 91       |
| 23) Vinyl Acetate            | 6.027  | 43   | 1352080  | 99.858  | ug/l    | 100      |
| 24) 1,1-Dichloroethane       | 5.975  | 63   | 295207   | 18.976  | ug/l    | 96       |
| 25) 2-Butanone               | 6.973  | 43   | 413337   | 106.066 | ug/l    | 95       |
| 26) 2,2-Dichloropropane      | 6.956  | 77   | 245971   | 18.286  | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene   | 6.956  | 96   | 175557   | 18.505  | ug/l    | 97       |
| 28) Bromochloromethane       | 7.314  | 49   | 130466   | 19.945  | ug/l    | 92       |
| 29) Tetrahydrofuran          | 7.355  | 42   | 168204   | 94.966  | ug/l    | 97       |
| 30) Chloroform               | 7.496  | 83   | 272903   | 19.090  | ug/l    | 94       |
| 31) Cyclohexane              | 7.802  | 56   | 318615   | 19.060  | ug/l    | 98       |
| 32) 1,1,1-Trichloroethane    | 7.714  | 97   | 230654   | 18.555  | ug/l    | 95       |
| 36) 1,1-Dichloropropene      | 7.937  | 75   | 209481   | 18.334  | ug/l    | 96       |
| 37) Ethyl Acetate            | 7.056  | 43   | 115150   | 20.184  | ug/l #  | 77       |
| 38) Carbon Tetrachloride     | 7.919  | 117  | 187624   | 18.481  | ug/l    | 91       |
| 39) Methylcyclohexane        | 9.324  | 83   | 323761   | 18.995  | ug/l    | 87       |
| 40) Benzene                  | 8.201  | 78   | 676533   | 19.337  | ug/l    | 97       |

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 ALS Vial : 4 Sample Multiplier: 1

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 ClientSampleId :  
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Quant Time: Dec 05 03:47:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_R\methods\82R120425S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:44:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.297  | 41   | 68390    | 19.114  | ug/l   | 90       |
| 42) 1,2-Dichloroethane        | 8.278  | 62   | 159932   | 18.467  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.325  | 43   | 227224   | 18.933  | ug/l   | 93       |
| 44) Trichloroethene           | 9.047  | 130  | 163271   | 19.630  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.347  | 63   | 154024   | 18.299  | ug/l   | 98       |
| 46) Dibromomethane            | 9.453  | 93   | 81550    | 18.916  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.659  | 83   | 203923   | 18.963  | ug/l   | 92       |
| 48) Methyl methacrylate       | 9.441  | 41   | 103149   | 17.465  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.453  | 88   | 33584    | 386.393 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.305 | 43   | 614679   | 96.416  | ug/l   | 100      |
| 52) Toluene                   | 10.499 | 92   | 443512   | 18.922  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.746 | 75   | 215466   | 19.485  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 10.140 | 75   | 246931   | 18.678  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.951 | 97   | 120694   | 19.463  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.804 | 69   | 181582   | 19.788  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.116 | 76   | 211919   | 18.837  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.982  | 63   | 55899    | 101.122 | ug/l   | 98       |
| 59) 2-Hexanone                | 11.169 | 43   | 600744   | 106.241 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.345 | 129  | 135827   | 20.260  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.468 | 107  | 114515   | 19.611  | ug/l   | 93       |
| 64) Tetrachloroethene         | 11.045 | 164  | 136032   | 17.688  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.950 | 112  | 519956   | 19.132  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 12.032 | 131  | 137839   | 18.573  | ug/l   | 100      |
| 67) Ethyl Benzene             | 12.038 | 91   | 928430   | 18.993  | ug/l   | 95       |
| 68) m/p-Xylenes               | 12.167 | 106  | 714843   | 37.376  | ug/l   | 97       |
| 69) o-Xylene                  | 12.538 | 106  | 356416   | 19.376  | ug/l   | 98       |
| 70) Styrene                   | 12.549 | 104  | 604197   | 19.173  | ug/l   | 99       |
| 71) Bromoform                 | 12.737 | 173  | 69420    | 18.115  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.878 | 105  | 897069   | 18.692  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.655 | 43   | 246853   | 18.792  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 13.160 | 83   | 149672   | 18.462  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 13.219 | 75   | 212685   | 29.801  | ug/l   | 54       |
| 77) Bromobenzene              | 13.202 | 156  | 197050   | 19.199  | ug/l   | 94       |
| 78) n-propylbenzene           | 13.266 | 91   | 1178924  | 19.076  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.366 | 91   | 621461   | 18.587  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.425 | 105  | 778812   | 18.579  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.925 | 75   | 52461    | 18.762  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 13.472 | 91   | 679547   | 18.706  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.724 | 119  | 682409   | 18.063  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.771 | 105  | 857431   | 19.056  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.930 | 105  | 1112074  | 18.673  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 14.053 | 119  | 965409   | 18.405  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 14.059 | 146  | 483922   | 19.486  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 14.147 | 146  | 490815   | 18.722  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.430 | 91   | 1006175  | 18.610  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.741 | 117  | 147626   | 18.012  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 14.482 | 146  | 417483   | 18.311  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 15.187 | 75   | 33207    | 22.187  | ug/l   | 70       |
| 93) 1,2,4-Trichlorobenzene    | 16.010 | 180  | 269335   | 18.402  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 16.139 | 225  | 121946   | 18.048  | ug/l   | 100      |
| 95) Naphthalene               | 16.316 | 128  | 462699   | 17.366  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 16.556 | 180  | 231516   | 18.608  | ug/l   | 96       |

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ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Dec 05 03:47:19 2025  
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Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:44:50 2025  
Response via : Initial Calibration

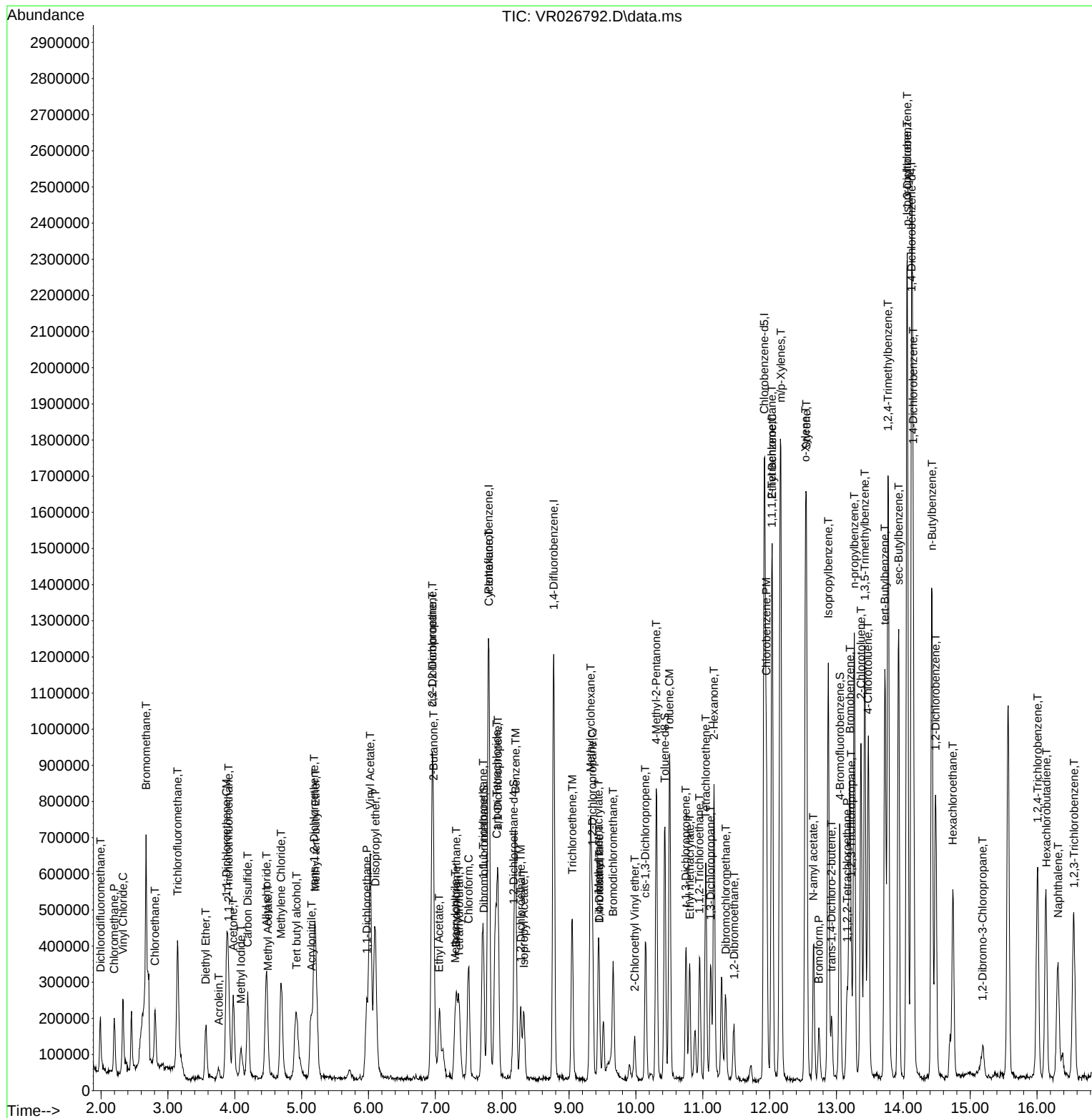
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

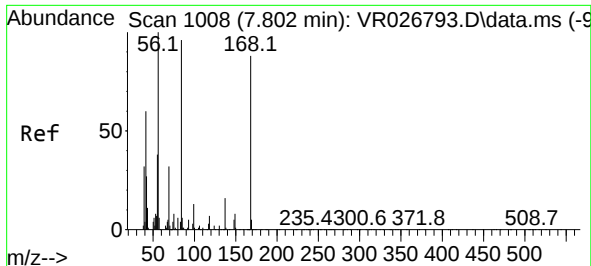
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 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:44:50 2025  
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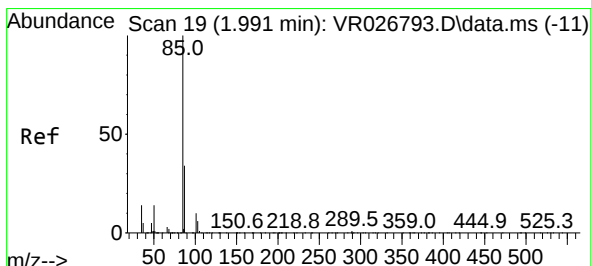
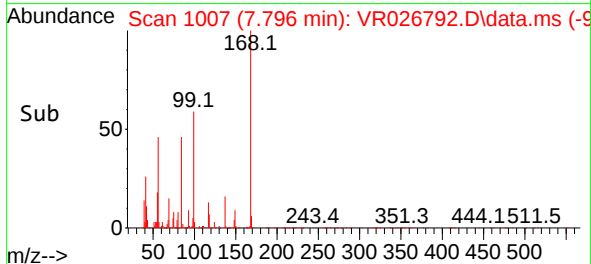
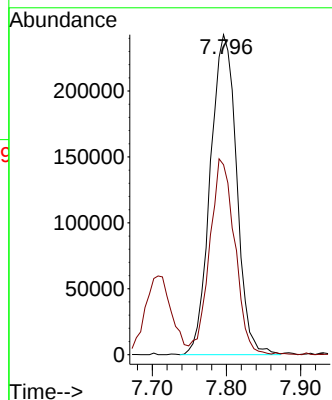
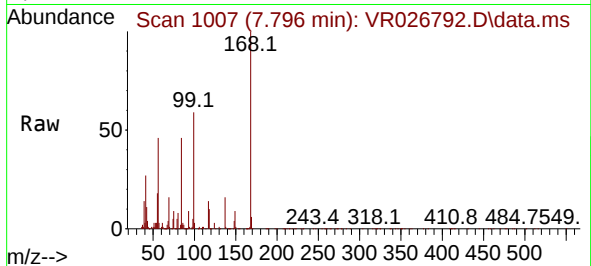




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.796 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

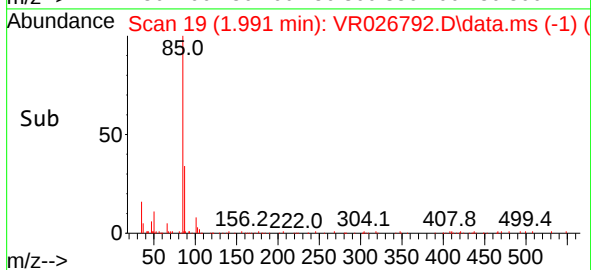
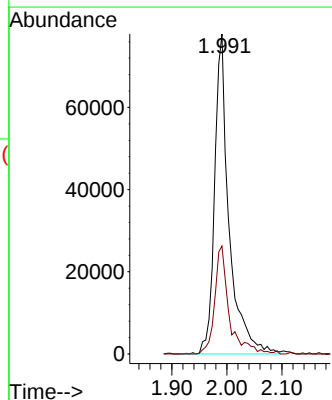
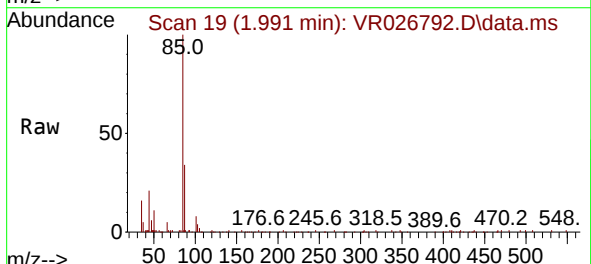
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDICC020

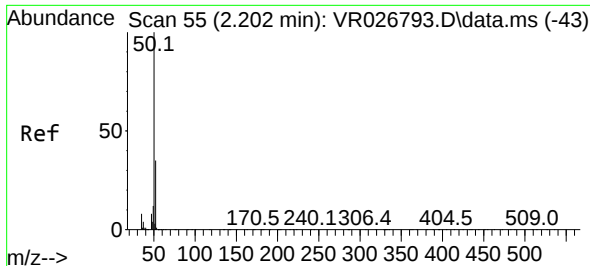
Tgt Ion:168 Resp: 597089  
Ion Ratio Lower Upper  
168 100  
99 59.0 45.3 67.9



#2  
Dichlorodifluoromethane  
Concen: 21.071 ug/l  
RT: 1.991 min Scan# 19  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 85 Resp: 141941  
Ion Ratio Lower Upper  
85 100  
87 33.8 17.1 51.2

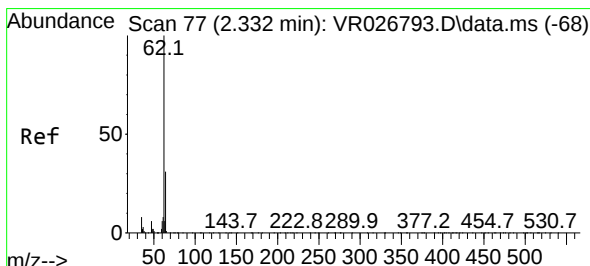
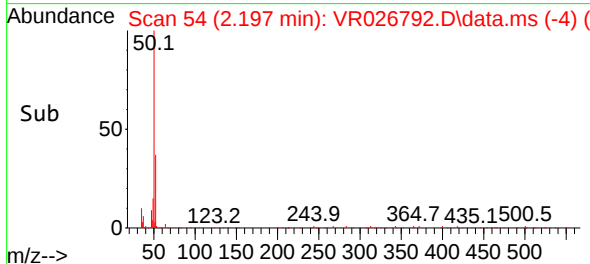
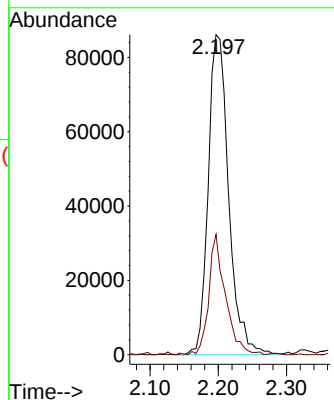
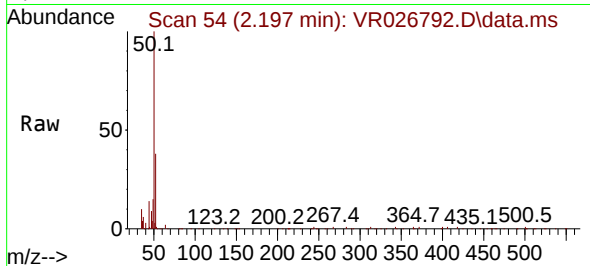




#3  
Chloromethane  
Concen: 19.325 ug/l  
RT: 2.197 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

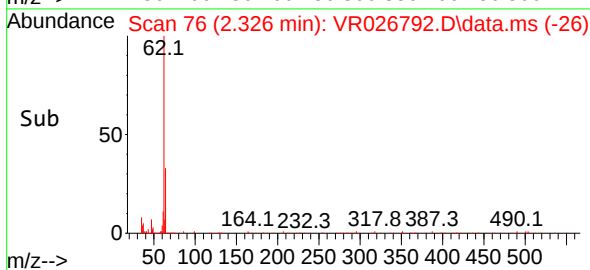
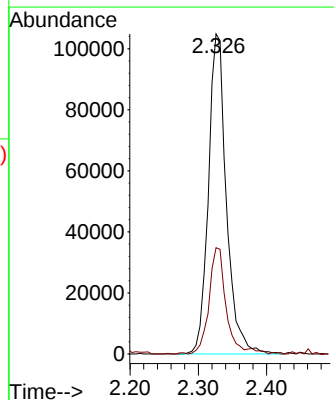
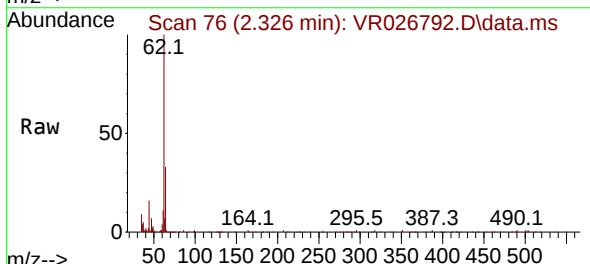
Instrument :  
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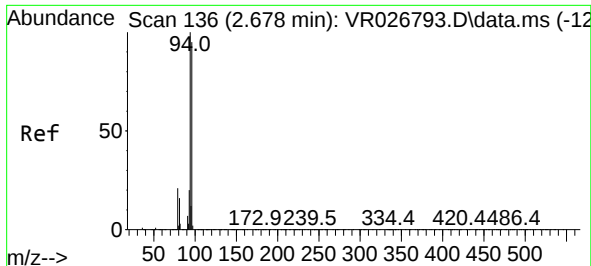
Tgt Ion: 50 Resp: 179751  
Ion Ratio Lower Upper  
50 100  
52 37.3 28.2 42.4



#4  
Vinyl Chloride  
Concen: 18.846 ug/l  
RT: 2.326 min Scan# 76  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 62 Resp: 192464  
Ion Ratio Lower Upper  
62 100  
64 32.8 25.2 37.8

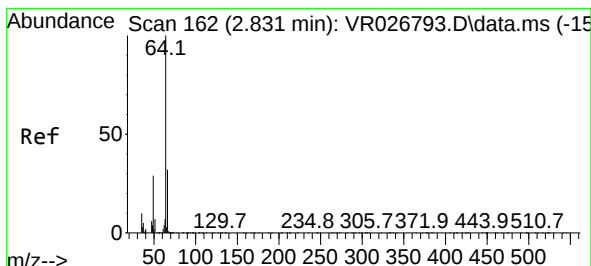
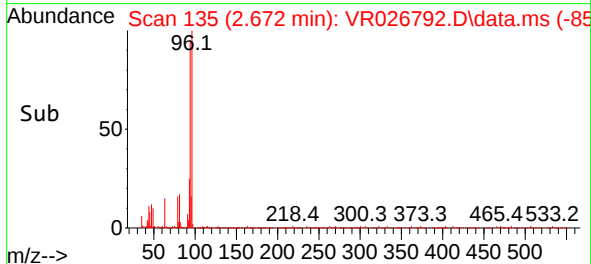
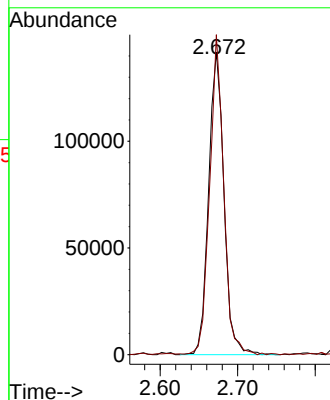
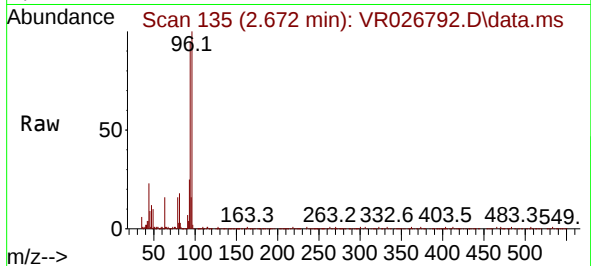




#5  
Bromomethane  
Concen: 22.405 ug/l  
RT: 2.672 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

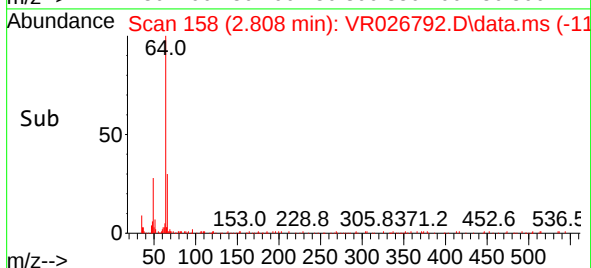
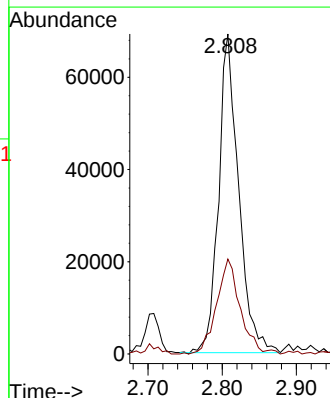
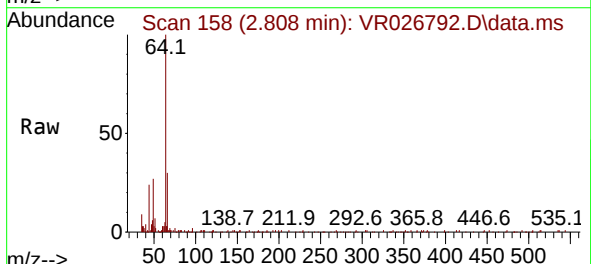
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDICC020

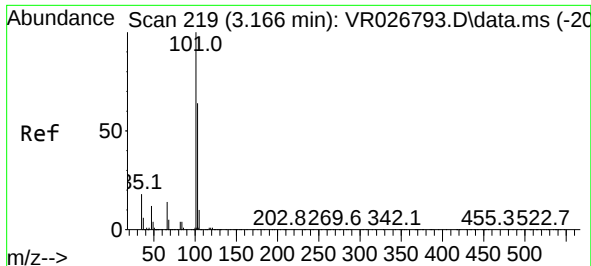
Tgt Ion: 94 Resp: 194500  
Ion Ratio Lower Upper  
94 100  
96 105.7 76.2 114.2



#6  
Chloroethane  
Concen: 18.346 ug/l  
RT: 2.808 min Scan# 158  
Delta R.T. -0.023 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 64 Resp: 129634  
Ion Ratio Lower Upper  
64 100  
66 29.8 25.8 38.6

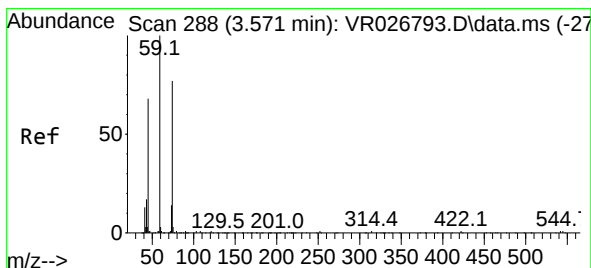
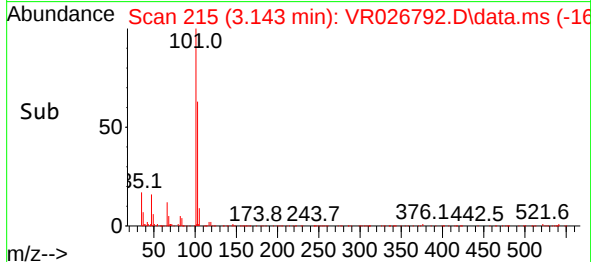
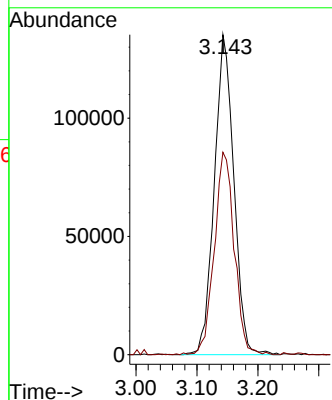
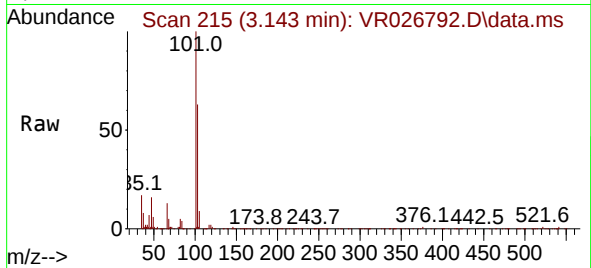




#7  
Trichlorofluoromethane  
Concen: 18.470 ug/l  
RT: 3.143 min Scan# 219  
Delta R.T. -0.023 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

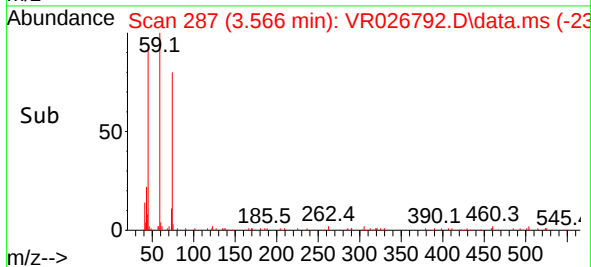
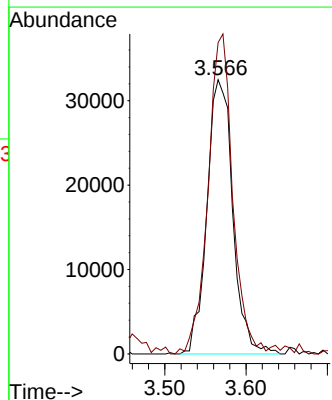
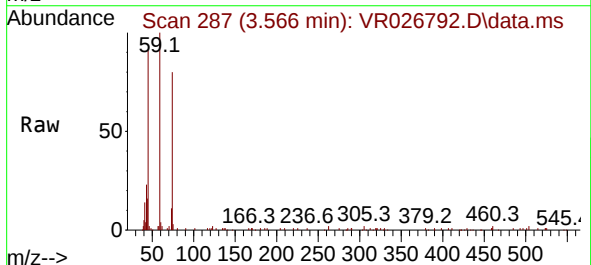
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

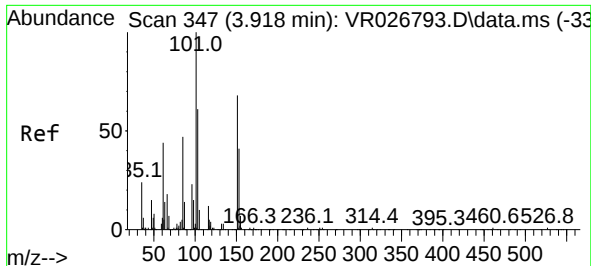
Tgt Ion:101 Resp: 300685  
Ion Ratio Lower Upper  
101 100  
103 63.3 51.4 77.2



#8  
Diethyl Ether  
Concen: 18.815 ug/l  
RT: 3.566 min Scan# 287  
Delta R.T. -0.005 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 74 Resp: 71670  
Ion Ratio Lower Upper  
74 100  
45 111.8 49.9 149.7

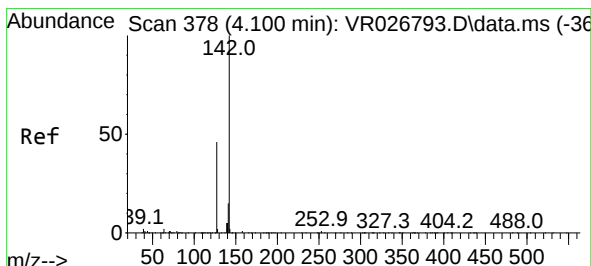
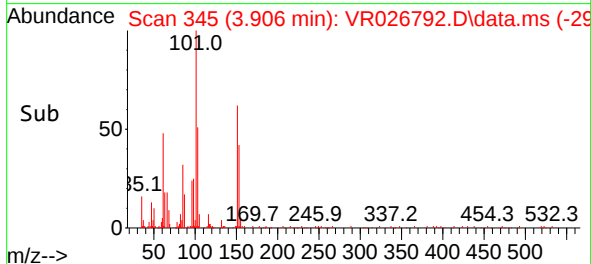
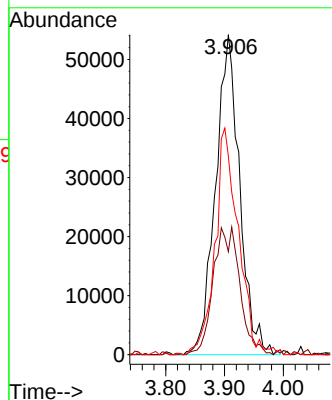
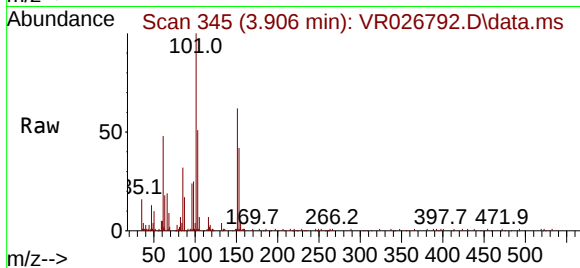




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.199 ug/l  
RT: 3.906 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

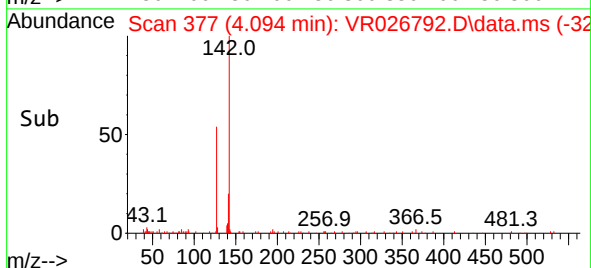
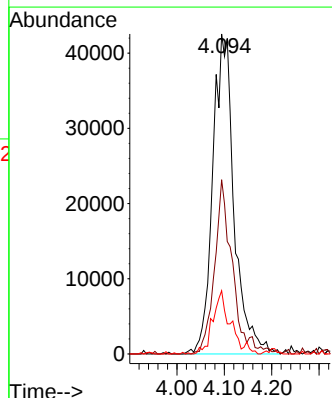
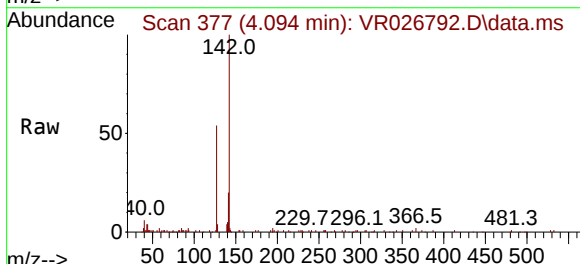
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

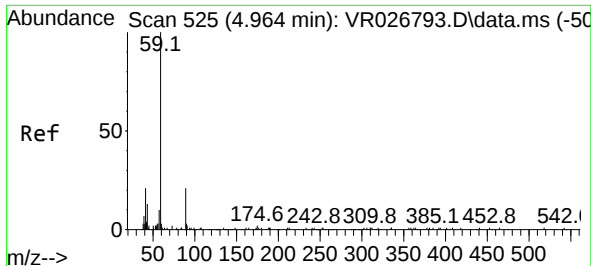
Tgt Ion:101 Resp: 154265  
Ion Ratio Lower Upper  
101 100  
85 43.9 39.3 58.9  
151 68.3 55.8 83.8



#10  
Methyl Iodide  
Concen: 18.245 ug/l  
RT: 4.094 min Scan# 377  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion:142 Resp: 133144  
Ion Ratio Lower Upper  
142 100  
127 45.6 32.6 48.8  
141 15.6 11.3 16.9

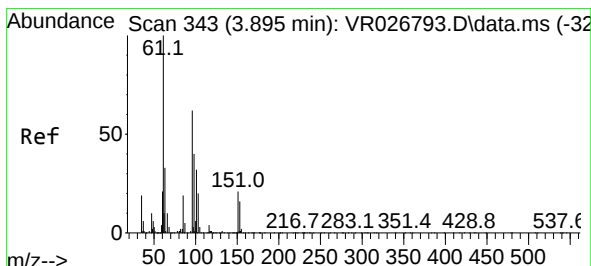
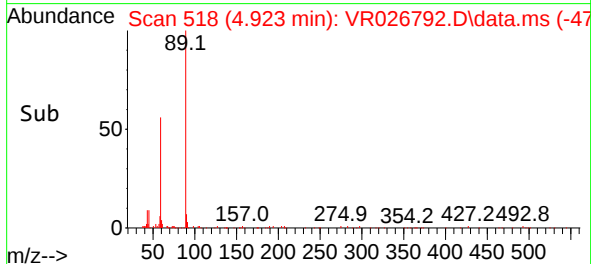
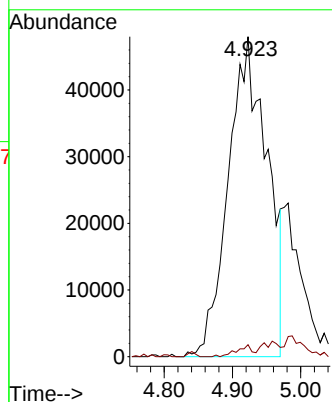
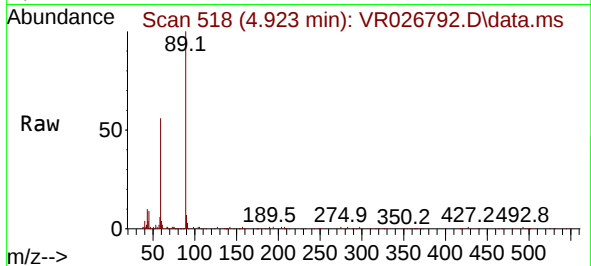




#11  
Tert butyl alcohol  
Concen: 77.801 ug/l  
RT: 4.923 min Scan# 518  
Delta R.T. -0.041 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

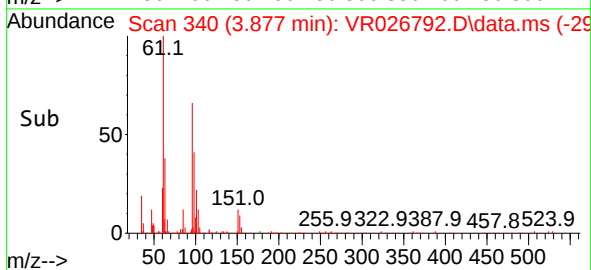
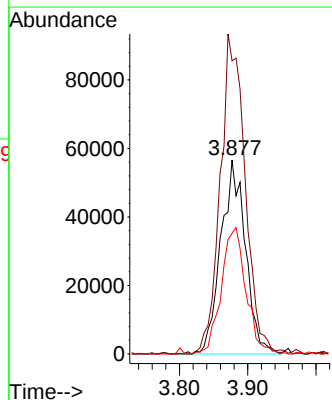
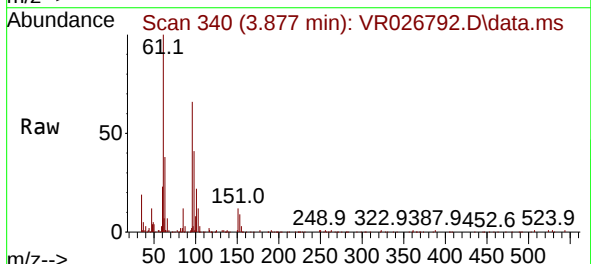
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

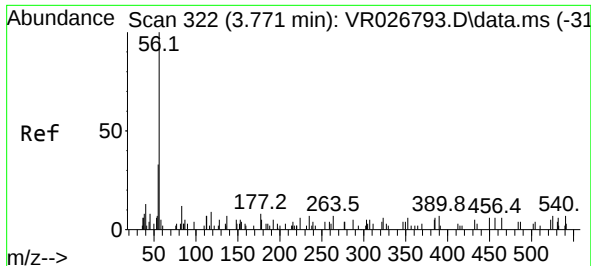
Tgt Ion: 59 Resp: 189201  
Ion Ratio Lower Upper  
59 100  
57 1.5 3.1 4.7#



#12  
1,1-Dichloroethene  
Concen: 19.047 ug/l  
RT: 3.877 min Scan# 340  
Delta R.T. -0.018 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 96 Resp: 142091  
Ion Ratio Lower Upper  
96 100  
61 150.8 128.2 192.4  
98 62.2 51.8 77.8

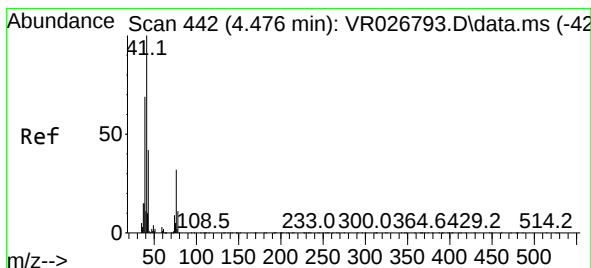
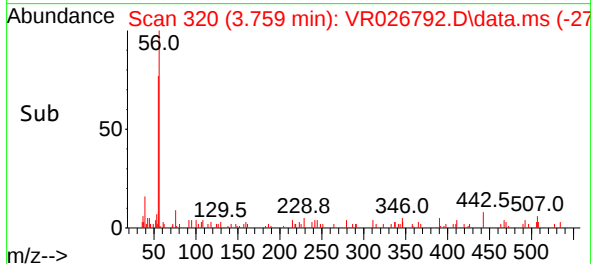
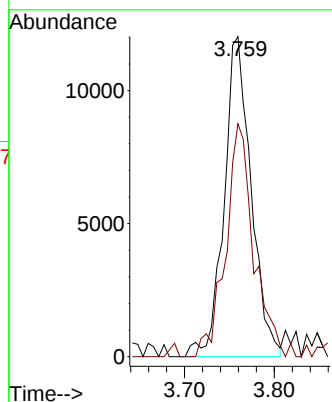
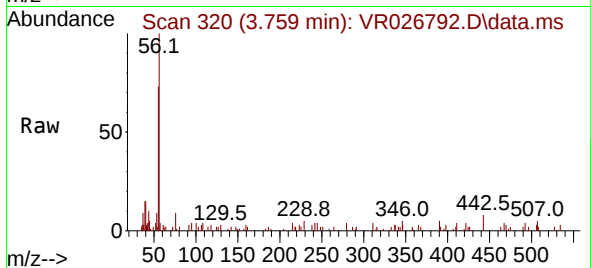




#13  
Acrolein  
Concen: 140.538 ug/l  
RT: 3.759 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

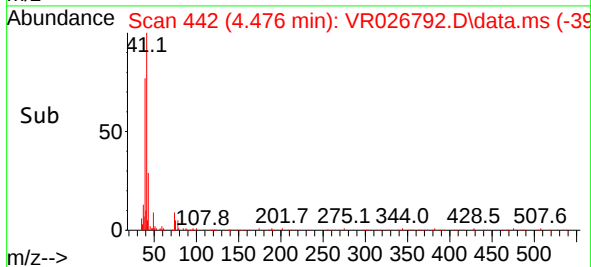
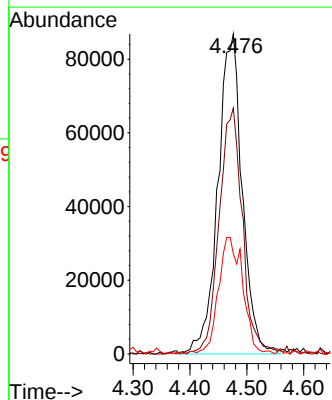
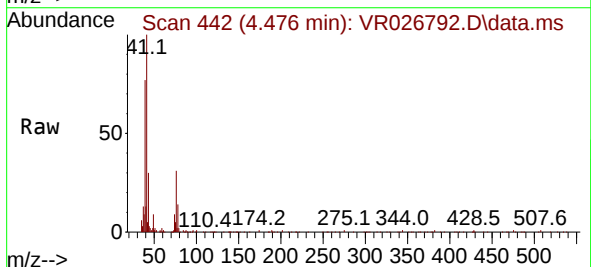
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDICC020

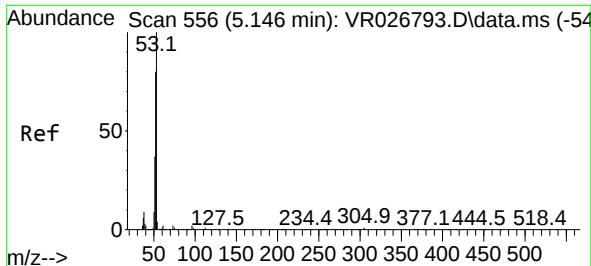
Tgt Ion: 56 Resp: 25082  
Ion Ratio Lower Upper  
56 100  
55 74.9 58.5 87.7



#14  
Allyl chloride  
Concen: 18.956 ug/l  
RT: 4.476 min Scan# 442  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 41 Resp: 258247  
Ion Ratio Lower Upper  
41 100  
39 73.3 55.0 82.4  
76 35.9 27.3 40.9

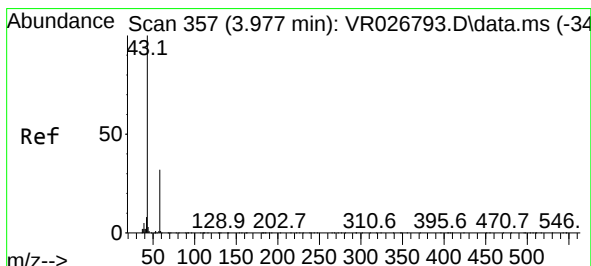
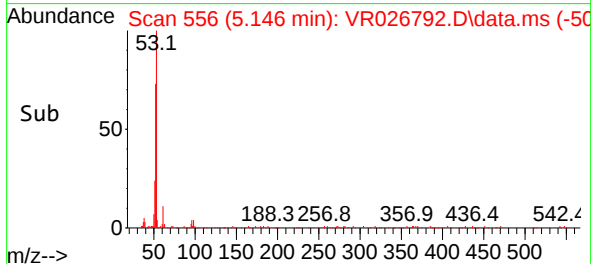
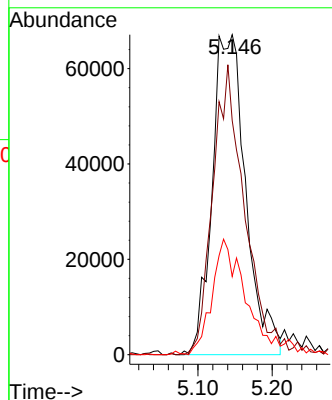
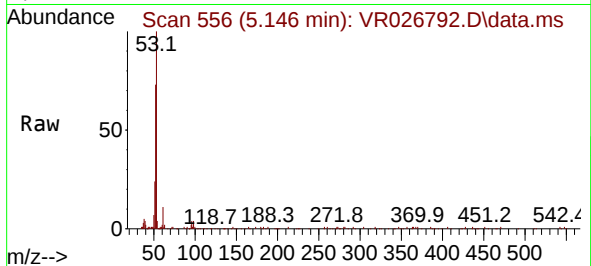




#15  
Acrylonitrile  
Concen: 96.732 ug/l  
RT: 5.146 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

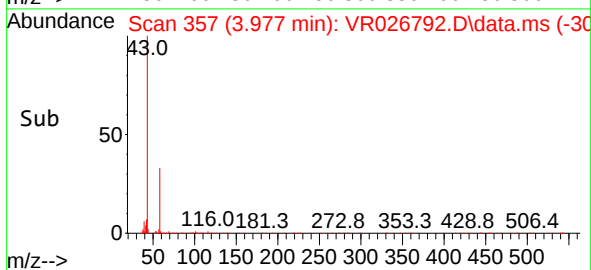
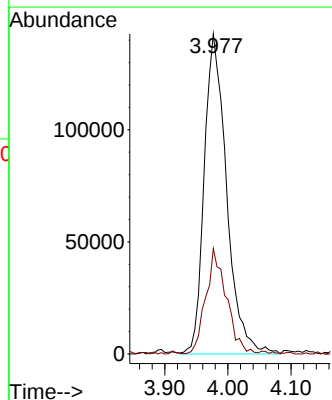
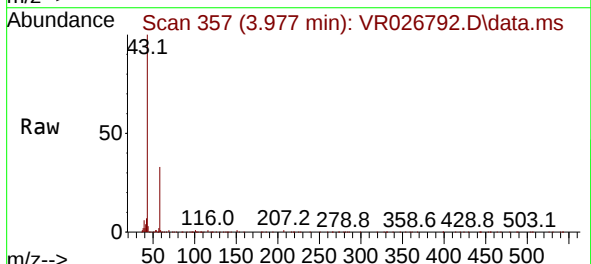
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

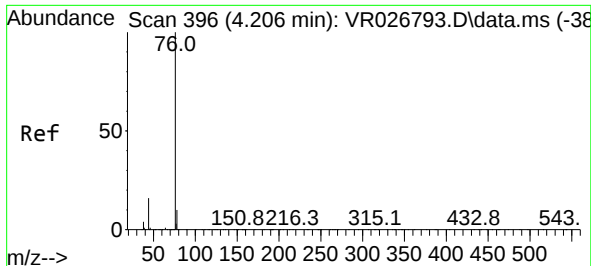
|             |              |
|-------------|--------------|
| Tgt Ion: 53 | Resp: 211413 |
| Ion Ratio   | Lower Upper  |
| 53 100      |              |
| 52 85.2     | 65.9 98.9    |
| 51 36.0     | 28.1 42.1    |



#16  
Acetone  
Concen: 110.844 ug/l  
RT: 3.977 min Scan# 357  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 350666 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 58 32.7     | 25.5 38.3    |

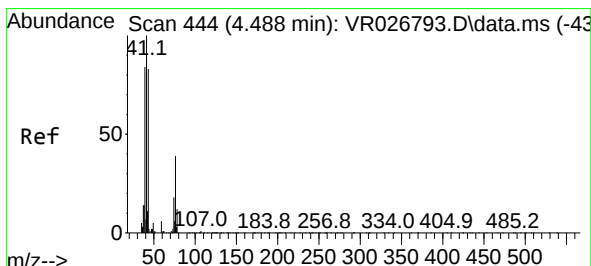
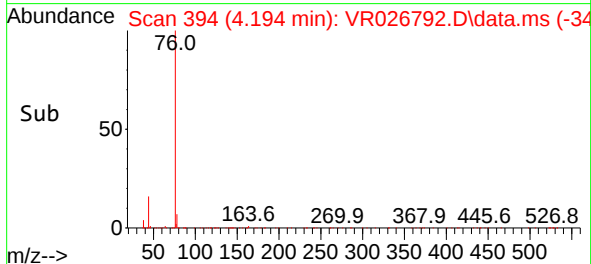
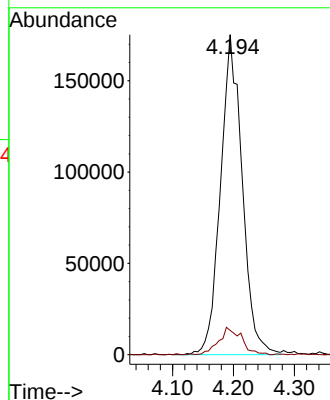
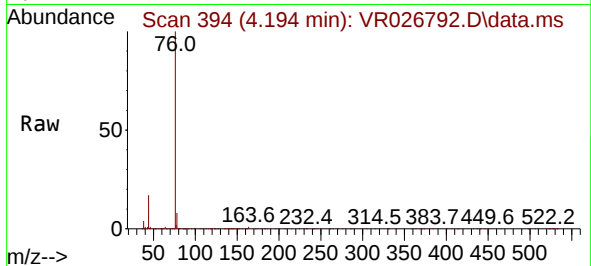




#17  
Carbon Disulfide  
Concen: 19.007 ug/l  
RT: 4.194 min Scan# 394  
Delta R.T. -0.012 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

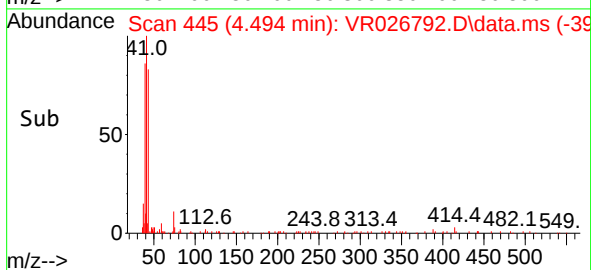
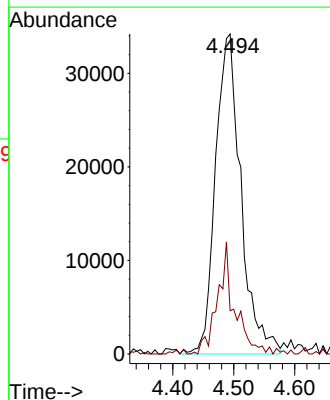
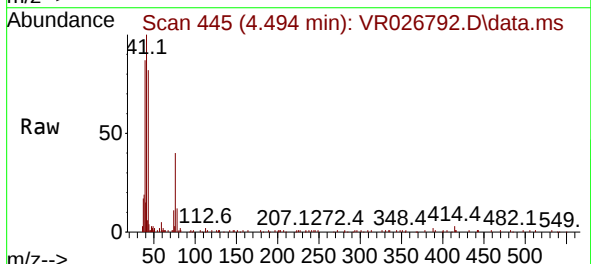
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

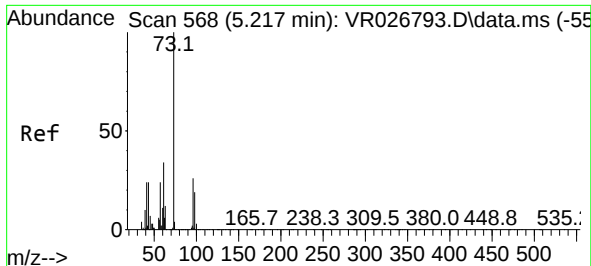
Tgt Ion: 76 Resp: 432972  
Ion Ratio Lower Upper  
76 100  
78 7.5 8.2 12.4#



#18  
Methyl Acetate  
Concen: 15.330 ug/l  
RT: 4.494 min Scan# 445  
Delta R.T. 0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 43 Resp: 99049  
Ion Ratio Lower Upper  
43 100  
74 23.4 18.3 27.5

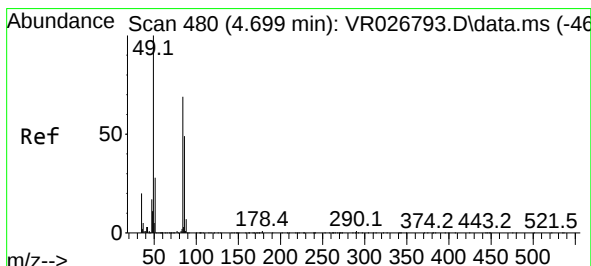
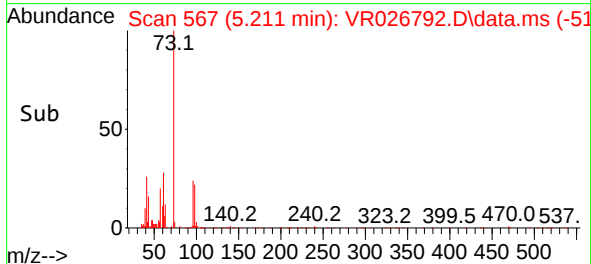
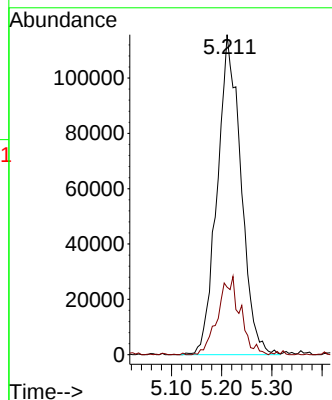
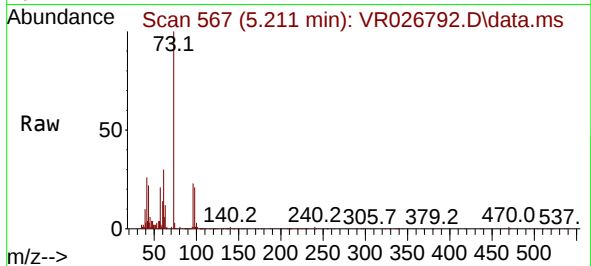




#19  
Methyl tert-butyl Ether  
Concen: 19.832 ug/l  
RT: 5.211 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

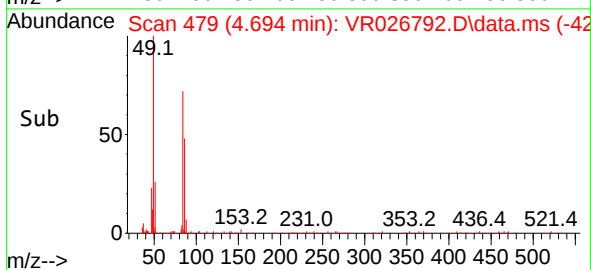
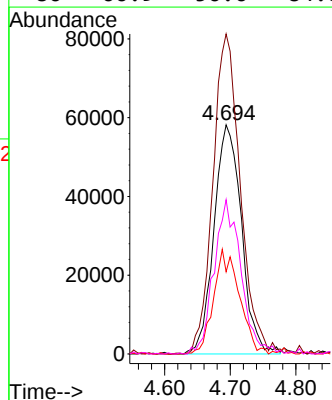
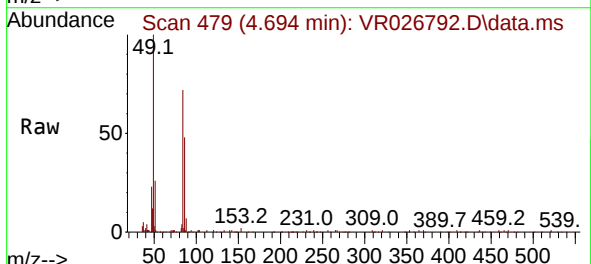
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

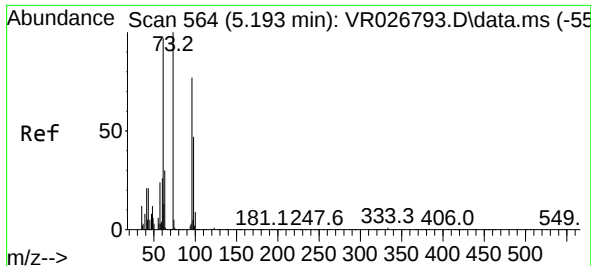
Tgt Ion: 73 Resp: 380183  
Ion Ratio Lower Upper  
73 100  
57 21.1 19.1 28.7



#20  
Methylene Chloride  
Concen: 18.680 ug/l  
RT: 4.694 min Scan# 479  
Delta R.T. -0.005 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 84 Resp: 169400  
Ion Ratio Lower Upper  
84 100  
49 139.3 115.9 173.9  
51 35.9 31.9 47.9  
86 66.9 56.6 84.8

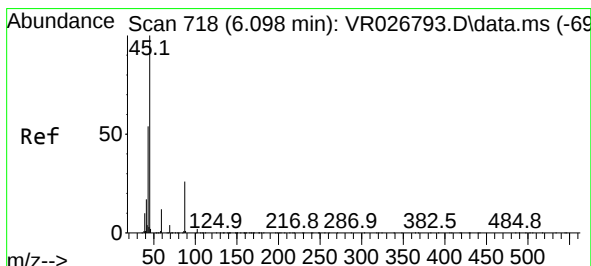
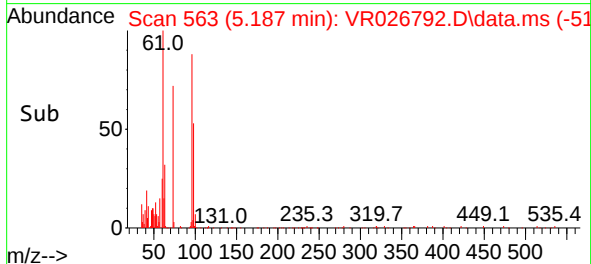
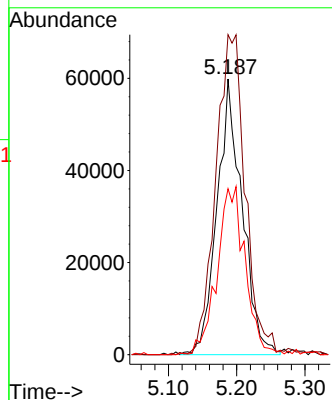
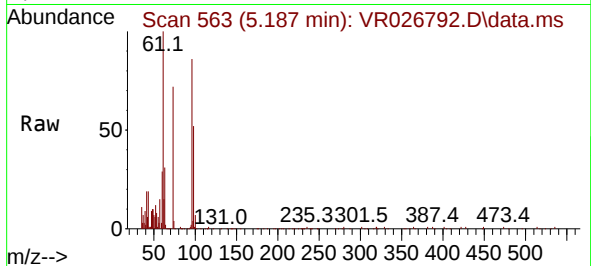




#21  
trans-1,2-Dichloroethene  
Concen: 18.870 ug/l  
RT: 5.187 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

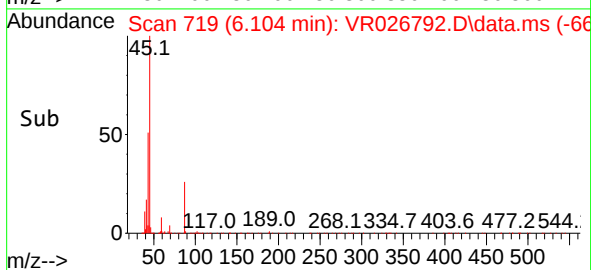
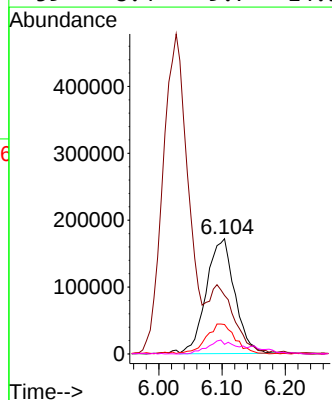
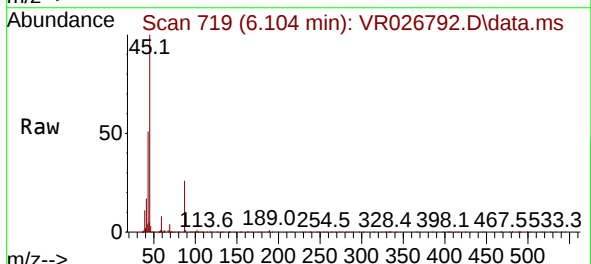
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

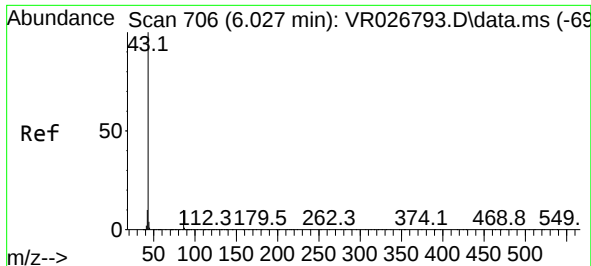
Tgt Ion: 96 Resp: 153342  
Ion Ratio Lower Upper  
96 100  
61 115.2 101.2 151.8  
98 59.8 49.0 73.4



#22  
Diisopropyl ether  
Concen: 19.314 ug/l  
RT: 6.104 min Scan# 719  
Delta R.T. 0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 45 Resp: 534823  
Ion Ratio Lower Upper  
45 100  
43 49.2 46.6 70.0  
87 25.5 21.1 31.7  
59 8.4 9.7 14.5#

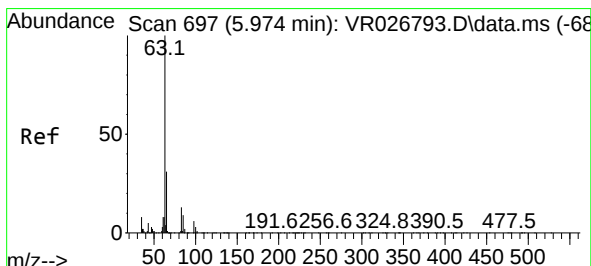
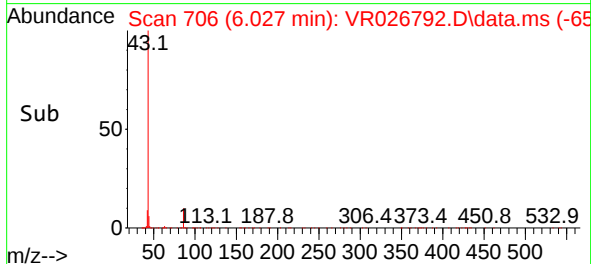
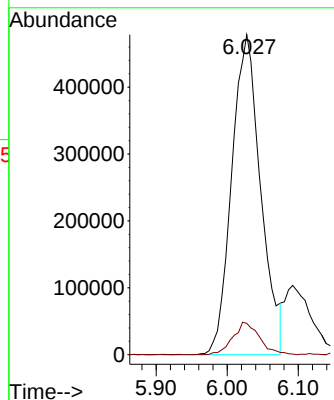
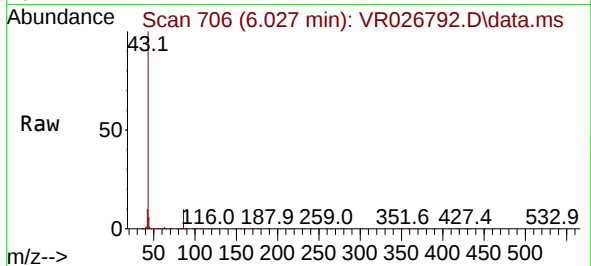




#23  
 Vinyl Acetate  
 Concen: 99.858 ug/l  
 RT: 6.027 min Scan# 706  
 Delta R.T. 0.000 min  
 Lab File: VR026792.D  
 Acq: 4 Dec 2025 13:05

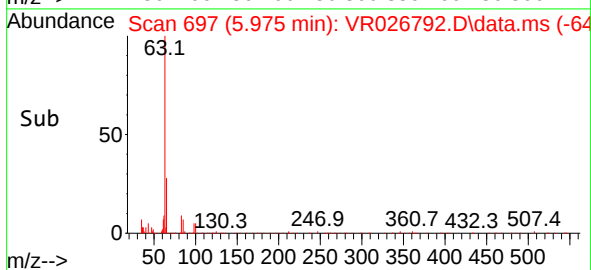
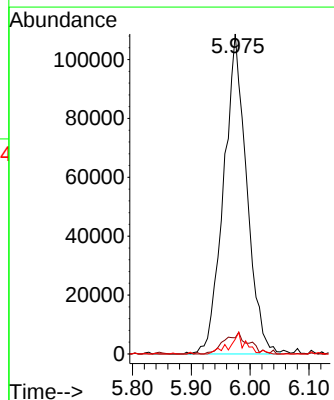
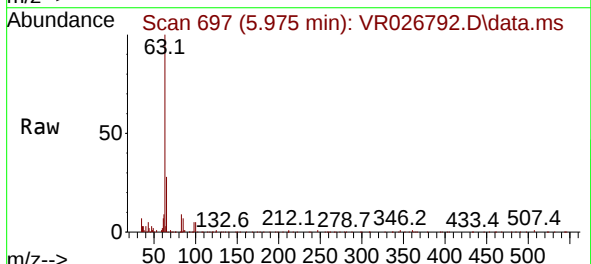
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTDIC020

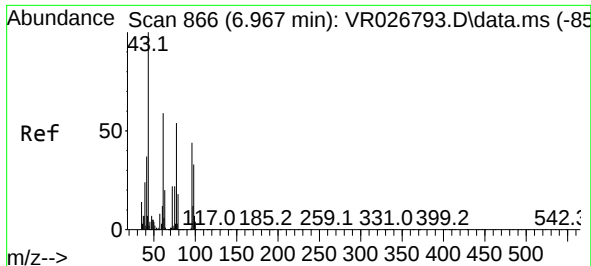
Tgt Ion: 43 Resp: 1352080  
 Ion Ratio Lower Upper  
 43 100  
 86 9.7 7.6 11.4



#24  
 1,1-Dichloroethane  
 Concen: 18.976 ug/l  
 RT: 5.975 min Scan# 697  
 Delta R.T. 0.001 min  
 Lab File: VR026792.D  
 Acq: 4 Dec 2025 13:05

Tgt Ion: 63 Resp: 295207  
 Ion Ratio Lower Upper  
 63 100  
 98 5.1 3.3 9.8  
 100 4.6 1.8 5.3

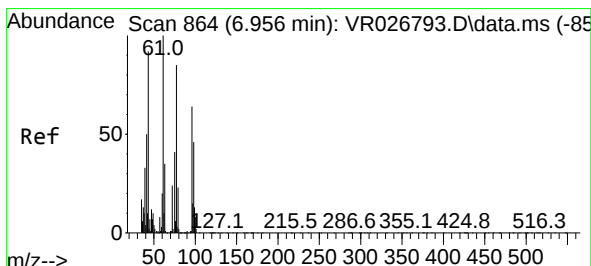
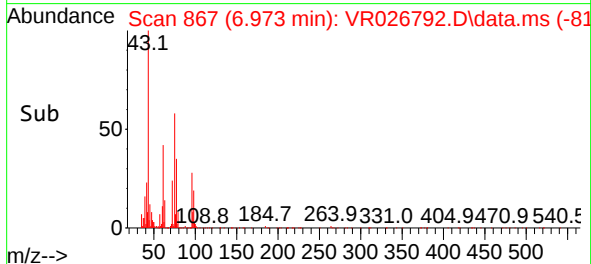
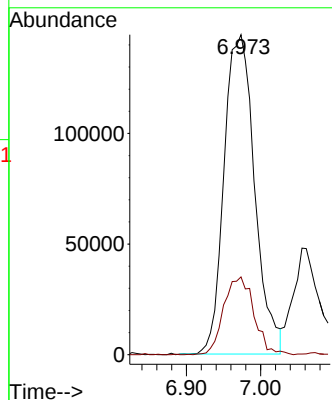
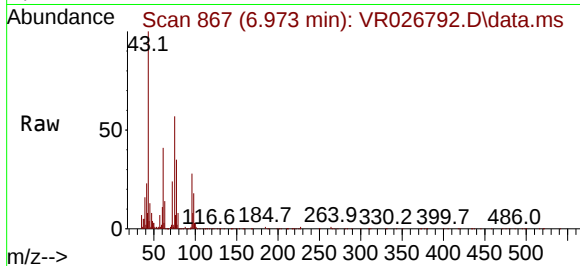




#25  
2-Butanone  
Concen: 106.066 ug/l  
RT: 6.973 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

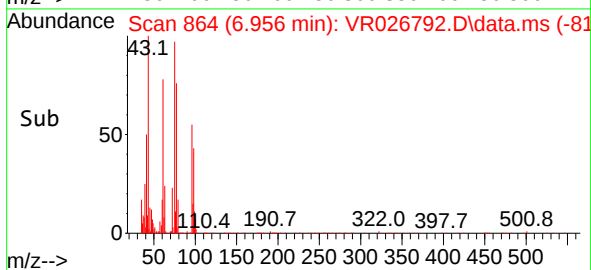
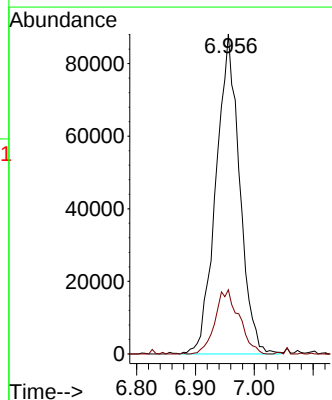
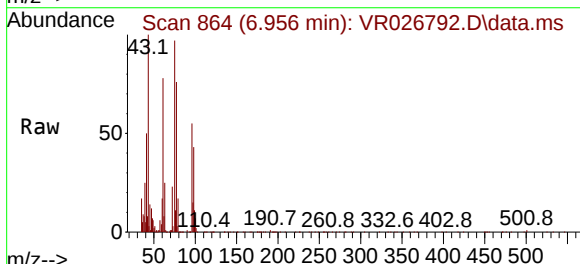
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

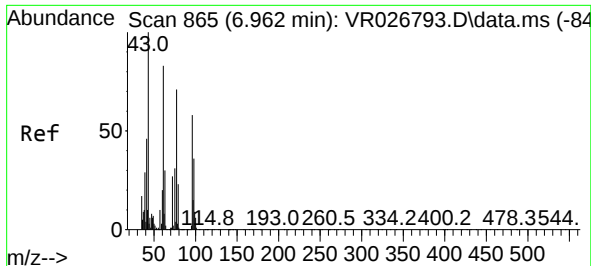
Tgt Ion: 43 Resp: 413337  
Ion Ratio Lower Upper  
43 100  
72 24.4 17.4 26.2



#26  
2,2-Dichloropropane  
Concen: 18.286 ug/l  
RT: 6.956 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 77 Resp: 245971  
Ion Ratio Lower Upper  
77 100  
97 20.5 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 18.505 ug/l

RT: 6.956 min Scan# 864

Delta R.T. -0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

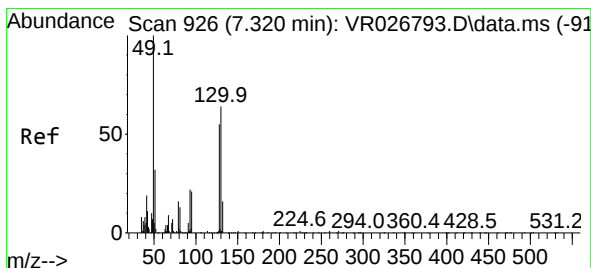
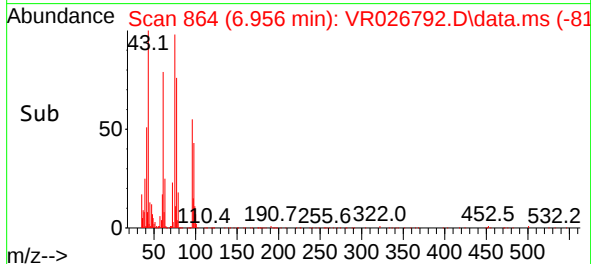
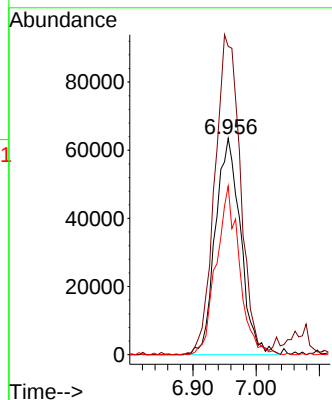
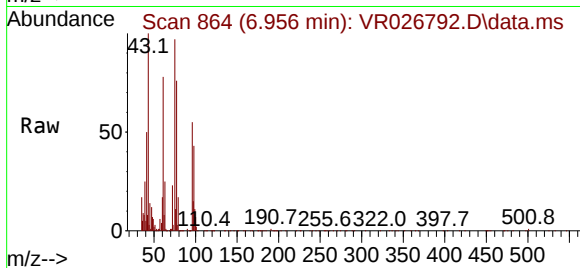
MSVOA\_R

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 175557

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 150.0 | 0.0   | 296.6 |
| 98  | 71.8  | 0.0   | 132.0 |



#28

Bromochloromethane

Concen: 19.945 ug/l

RT: 7.314 min Scan# 925

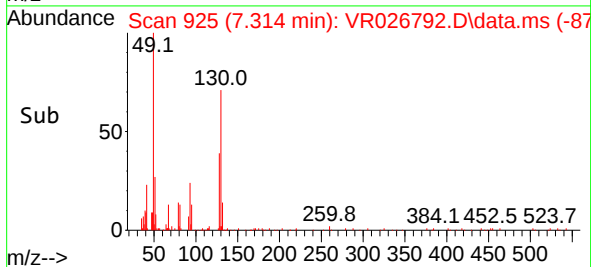
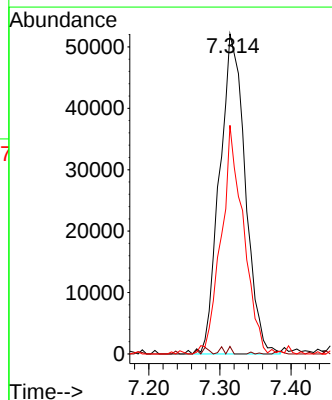
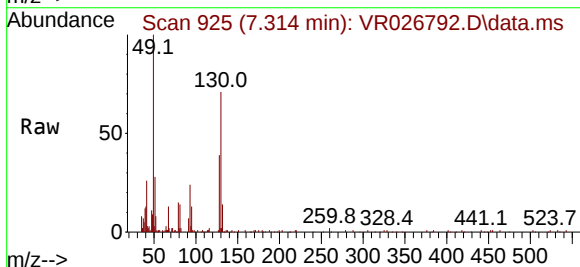
Delta R.T. -0.006 min

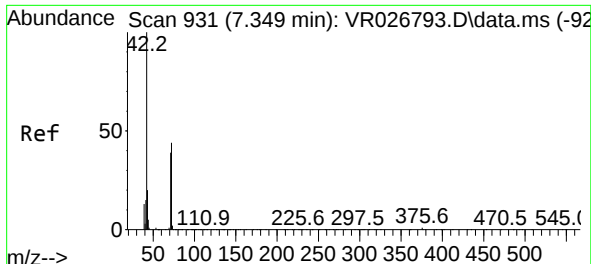
Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Tgt Ion: 49 Resp: 130466

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.7   | 0.0   | 2.6   |
| 130 | 62.1  | 54.8  | 82.2  |





#29

Tetrahydrofuran

Concen: 94.966 ug/l

RT: 7.355 min Scan# 91

Delta R.T. 0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

VSTDICC020

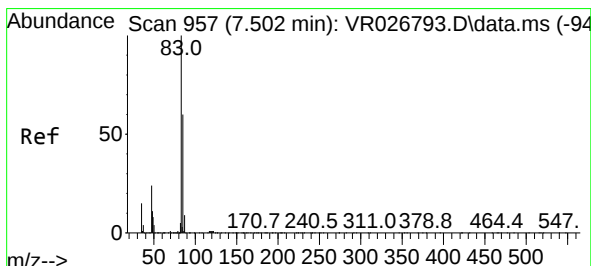
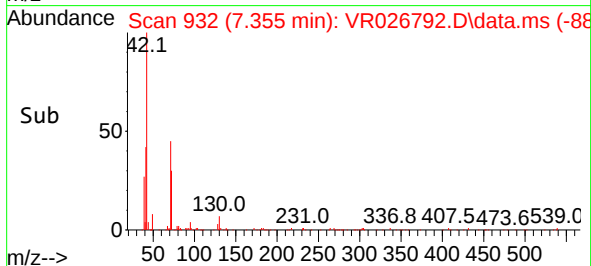
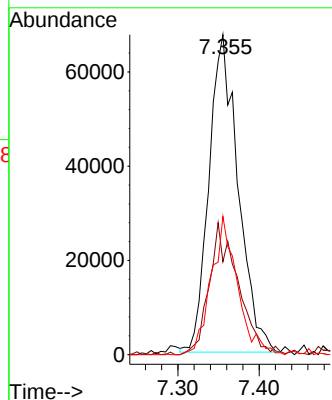
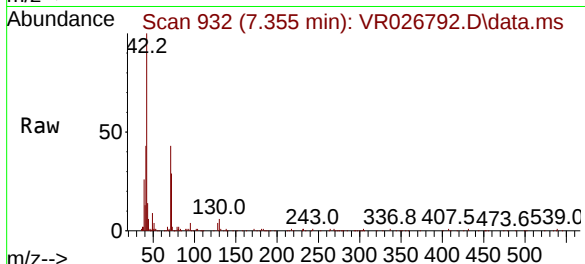
Tgt Ion: 42 Resp: 168204

Ion Ratio Lower Upper

42 100

72 41.2 35.4 53.2

71 39.0 30.8 46.2



#30

Chloroform

Concen: 19.090 ug/l

RT: 7.496 min Scan# 956

Delta R.T. -0.006 min

Lab File: VR026792.D

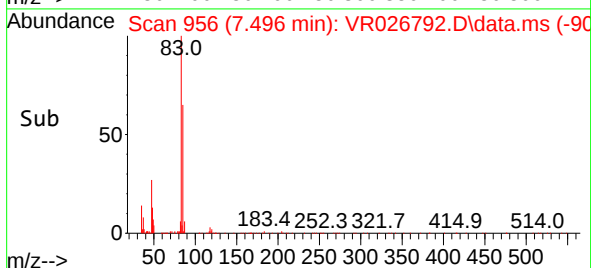
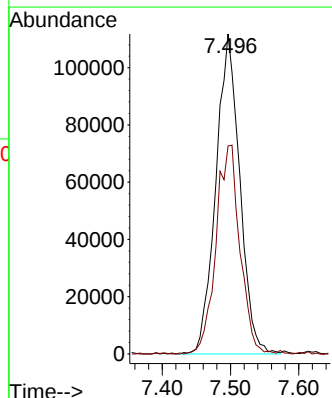
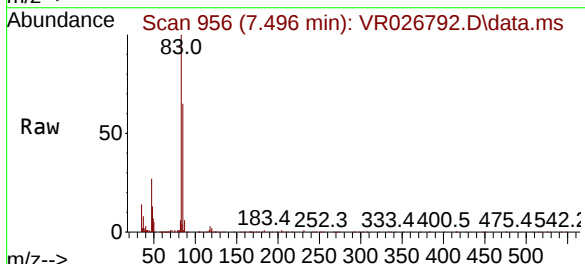
Acq: 4 Dec 2025 13:05

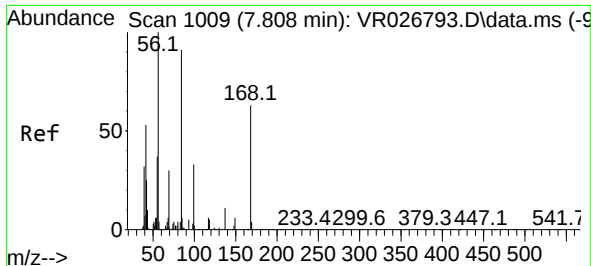
Tgt Ion: 83 Resp: 272903

Ion Ratio Lower Upper

83 100

85 64.7 48.2 72.4

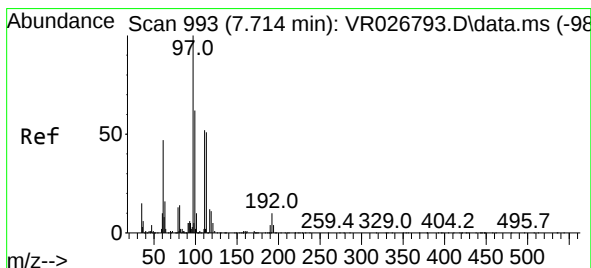
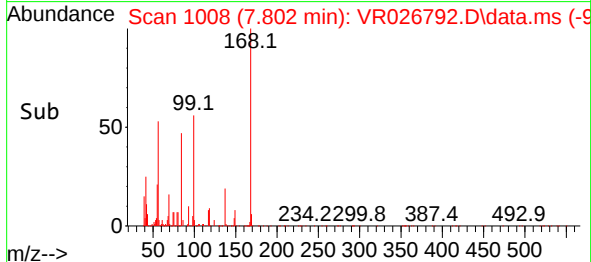
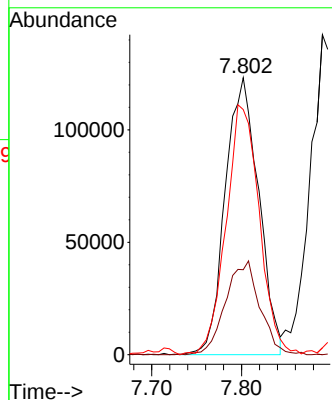
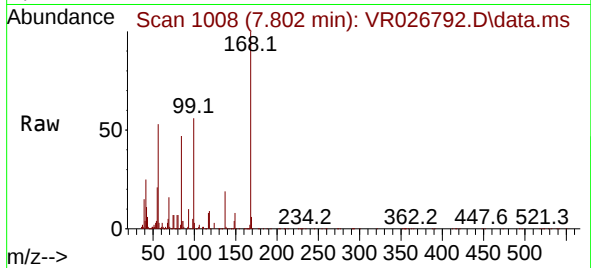




#31  
Cyclohexane  
Concen: 19.060 ug/l  
RT: 7.802 min Scan# 1008  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

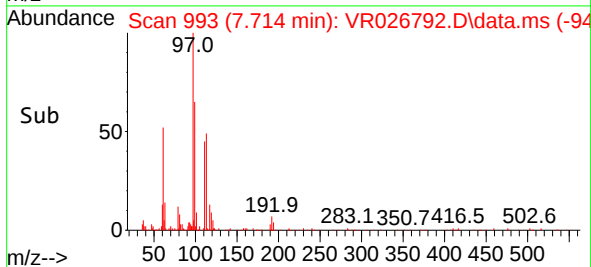
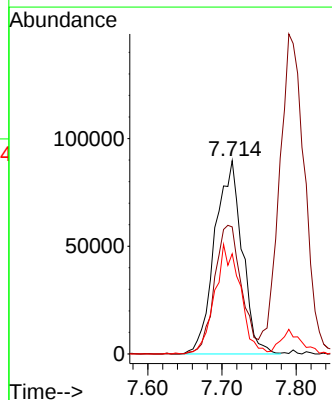
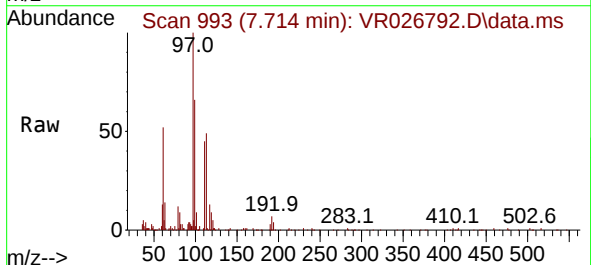
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

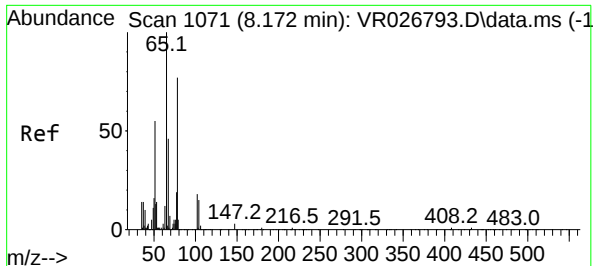
Tgt Ion: 56 Resp: 318615  
Ion Ratio Lower Upper  
56 100  
69 30.5 23.8 35.6  
84 88.5 72.3 108.5



#32  
1,1,1-Trichloroethane  
Concen: 18.555 ug/l  
RT: 7.714 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 97 Resp: 230654  
Ion Ratio Lower Upper  
97 100  
99 65.5 50.4 75.6  
61 52.9 37.9 56.9

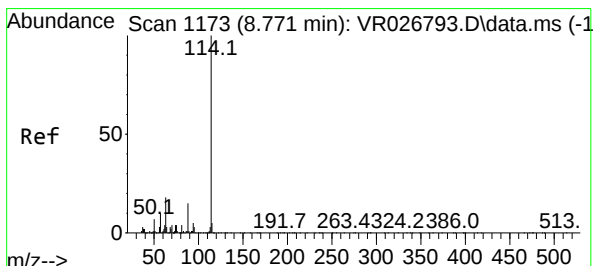
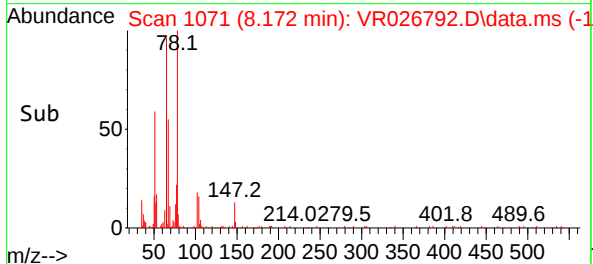
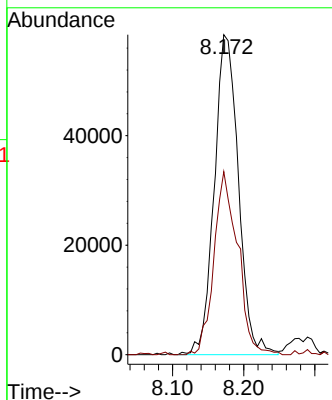
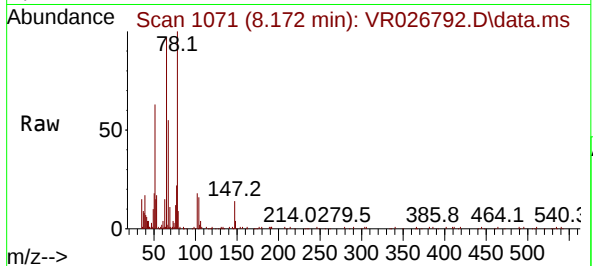




#33  
 1,2-Dichloroethane-d4  
 Concen: 18.947 ug/l  
 RT: 8.172 min Scan# 1071  
 Delta R.T. 0.000 min  
 Lab File: VR026792.D  
 Acq: 4 Dec 2025 13:05

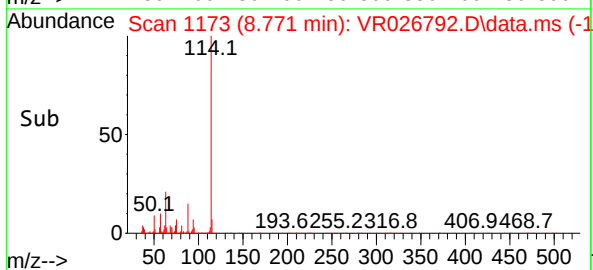
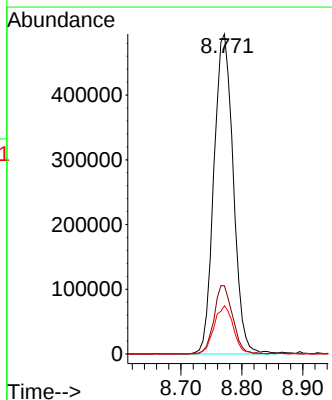
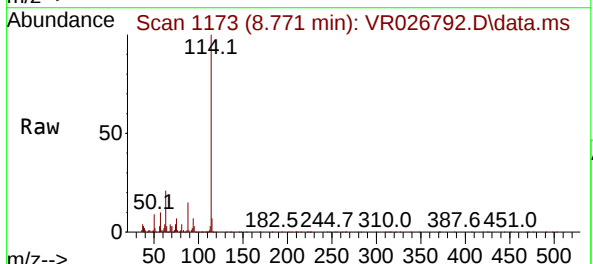
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTDIC020

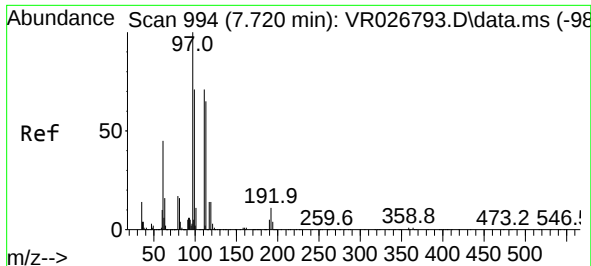
Tgt Ion: 65 Resp: 137638  
 Ion Ratio Lower Upper  
 65 100  
 67 56.4 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.771 min Scan# 1173  
 Delta R.T. 0.000 min  
 Lab File: VR026792.D  
 Acq: 4 Dec 2025 13:05

Tgt Ion: 114 Resp: 1091713  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 36.6  
 88 15.0 0.0 29.8

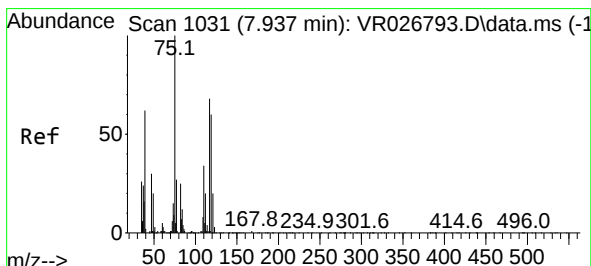
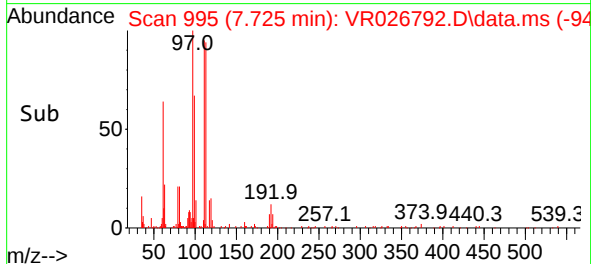
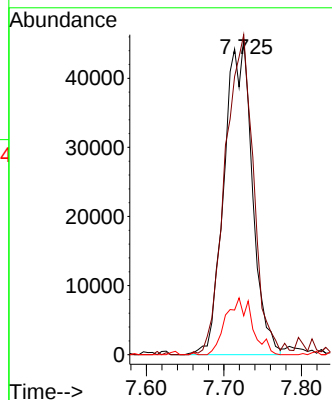
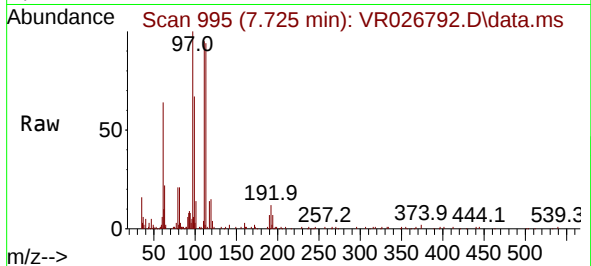




#35  
Dibromofluoromethane  
Concen: 18.561 ug/l  
RT: 7.725 min Scan# 994  
Delta R.T. 0.005 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

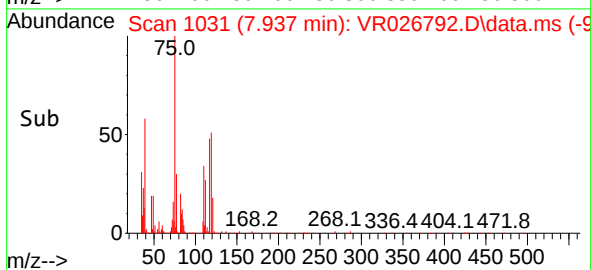
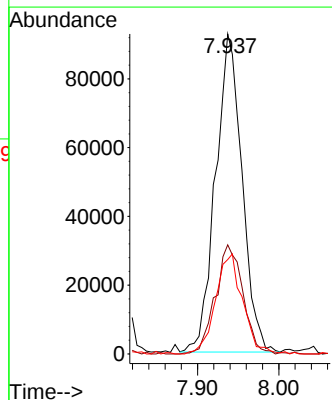
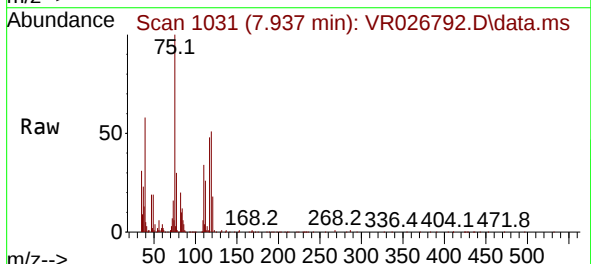
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

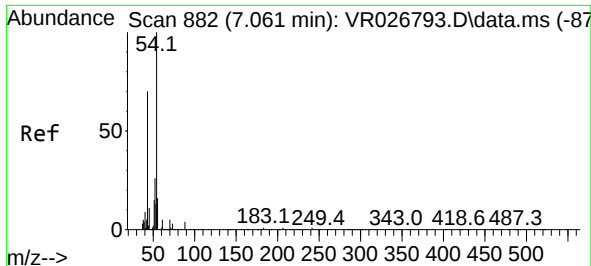
Tgt Ion:113 Resp: 114833  
Ion Ratio Lower Upper  
113 100  
111 103.1 80.5 120.7  
192 17.1 13.8 20.8



#36  
1,1-Dichloropropene  
Concen: 18.334 ug/l  
RT: 7.937 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 75 Resp: 209481  
Ion Ratio Lower Upper  
75 100  
110 35.7 17.5 52.6  
77 32.3 22.4 33.6

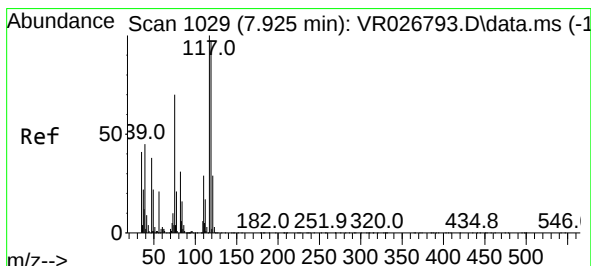
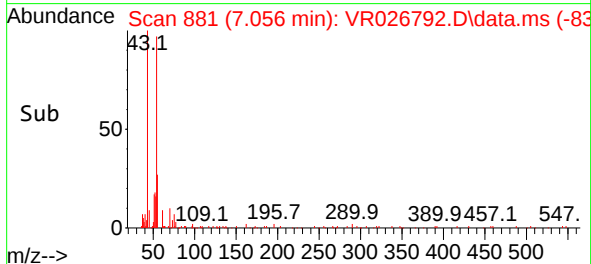
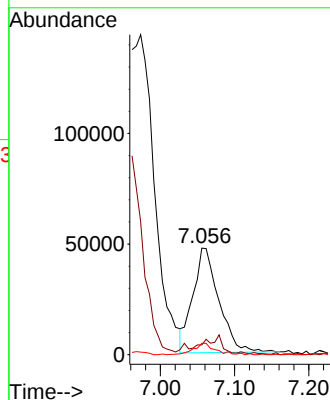
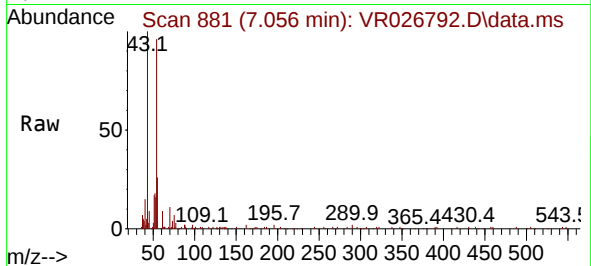




#37  
Ethyl Acetate  
Concen: 20.184 ug/l  
RT: 7.056 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

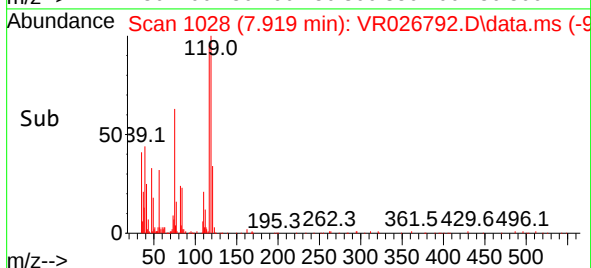
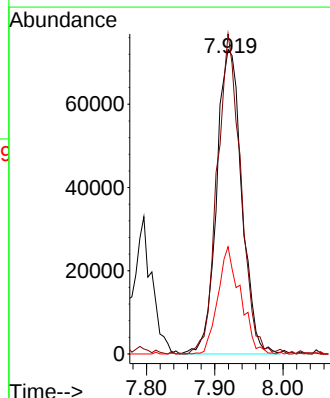
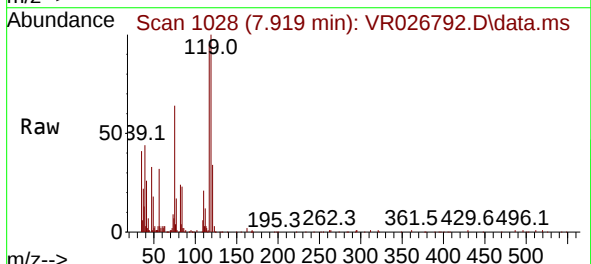
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

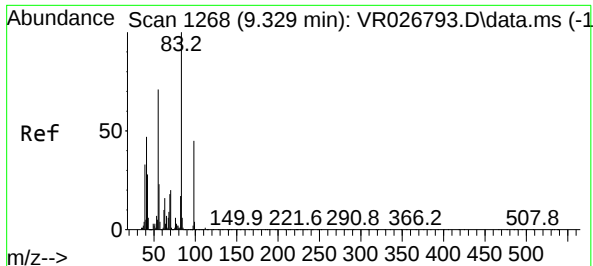
Tgt Ion: 43 Resp: 115150  
Ion Ratio Lower Upper  
43 100  
61 0.0 12.0 18.0#  
70 8.7 7.8 11.6



#38  
Carbon Tetrachloride  
Concen: 18.481 ug/l  
RT: 7.919 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 117 Resp: 187624  
Ion Ratio Lower Upper  
117 100  
119 105.1 77.5 116.3  
121 34.9 23.4 35.2





#39

Methylcyclohexane

Concen: 18.995 ug/l

RT: 9.324 min Scan# 1

Delta R.T. -0.005 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

VSTDIC020

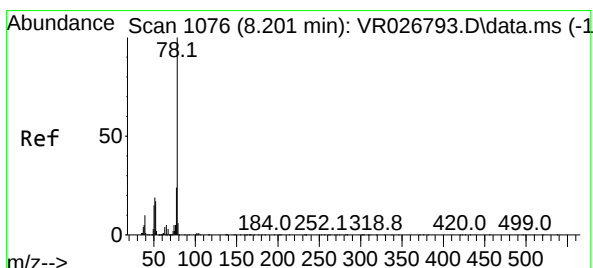
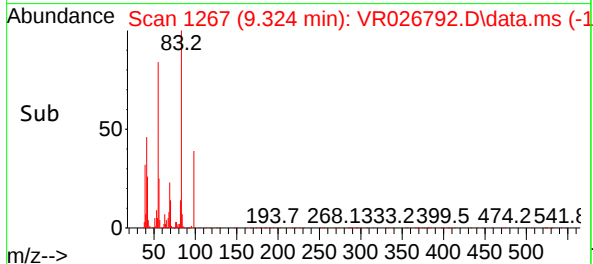
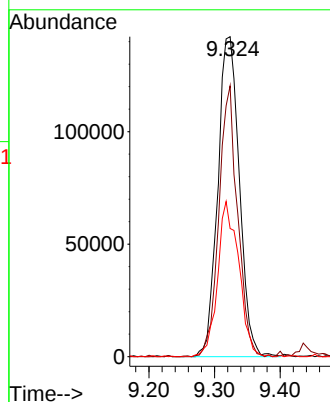
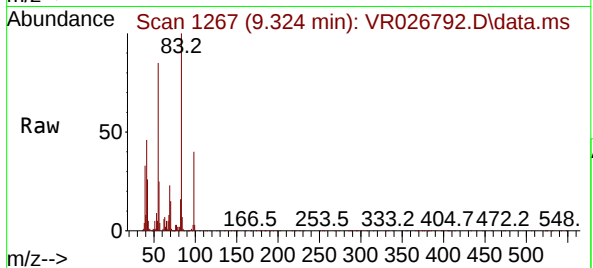
Tgt Ion: 83 Resp: 323761

Ion Ratio Lower Upper

83 100

55 84.6 56.6 85.0

98 40.1 36.0 54.0



#40

Benzene

Concen: 19.337 ug/l

RT: 8.201 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VR026792.D

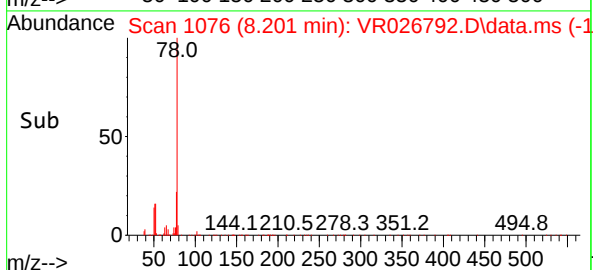
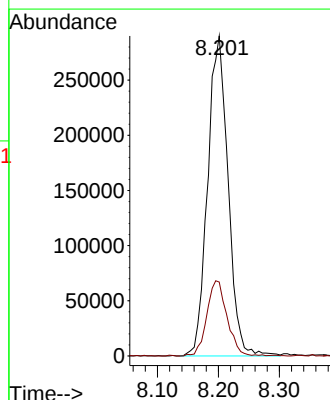
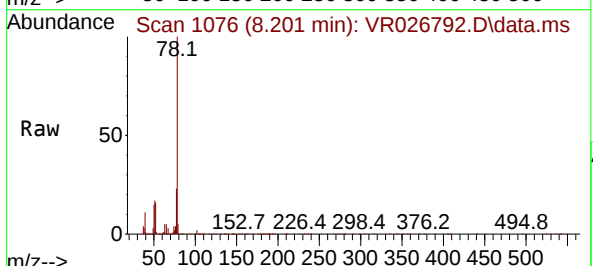
Acq: 4 Dec 2025 13:05

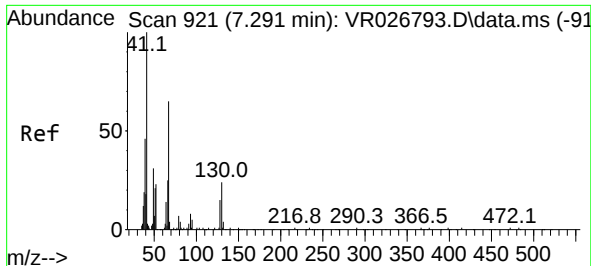
Tgt Ion: 78 Resp: 676533

Ion Ratio Lower Upper

78 100

77 23.1 19.5 29.3

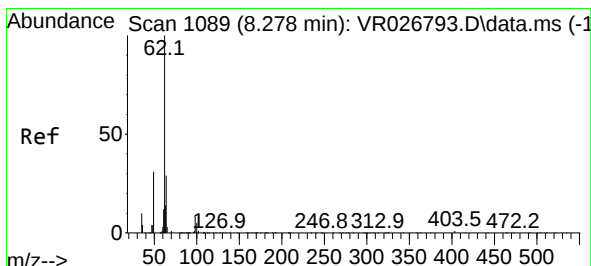
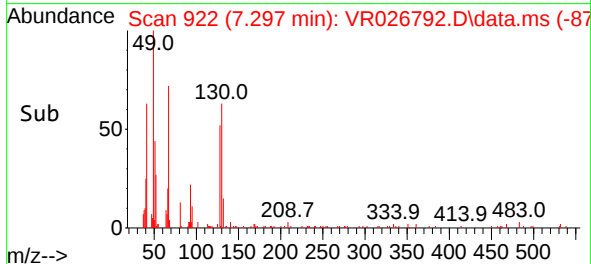
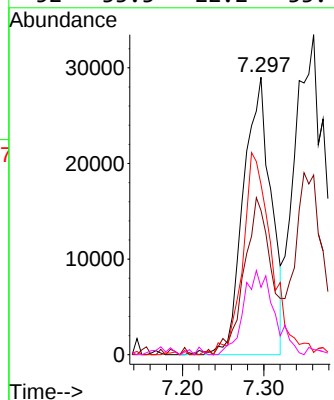
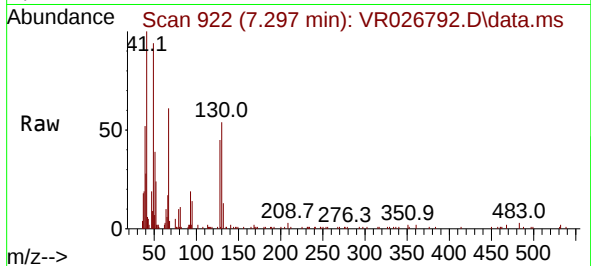




#41  
Methacrylonitrile  
Concen: 19.114 ug/l  
RT: 7.297 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

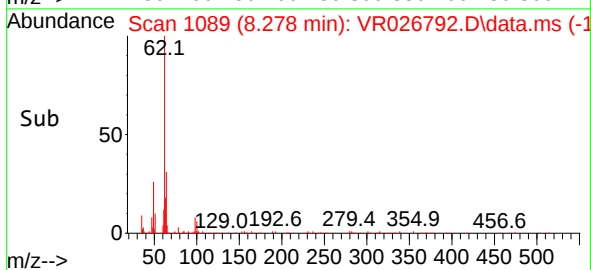
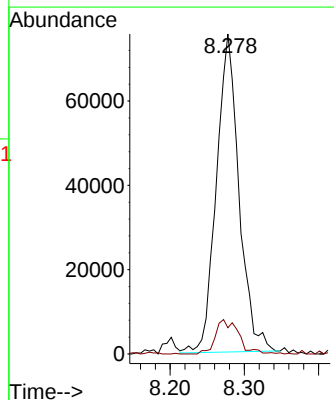
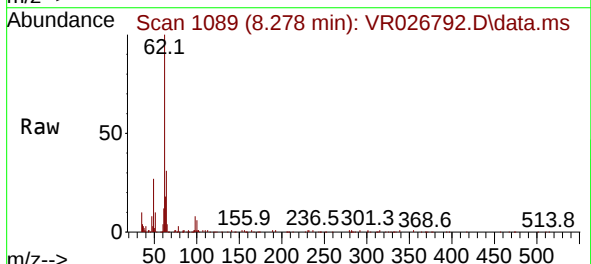
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

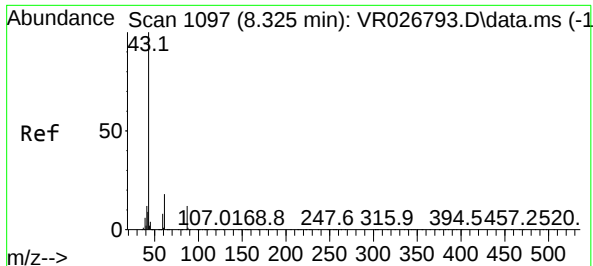
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 68390 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 58.3  | 40.4  | 60.6  |
| 67       | 76.0  | 55.5  | 83.3  |
| 52       | 33.3  | 22.2  | 33.4  |



#42  
1,2-Dichloroethane  
Concen: 18.467 ug/l  
RT: 8.278 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 159932 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 11.0  | 0.0   | 19.2   |

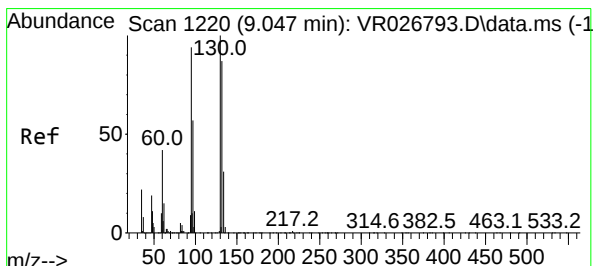
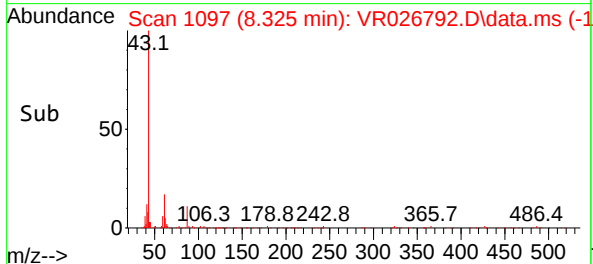
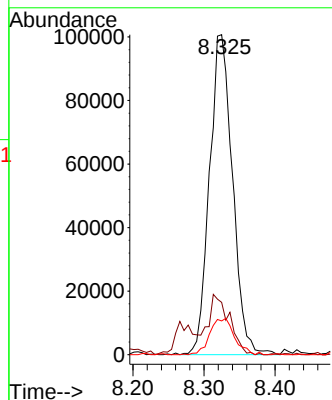
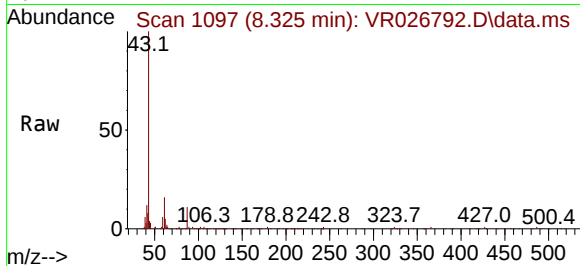




#43  
Isopropyl Acetate  
Concen: 18.933 ug/l  
RT: 8.325 min Scan# 1097  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

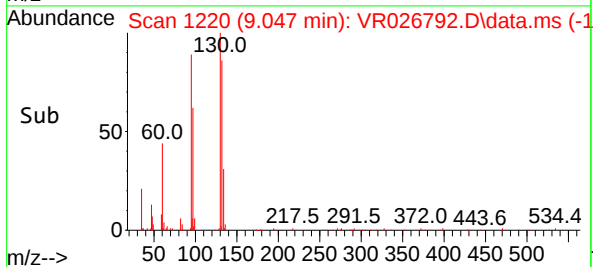
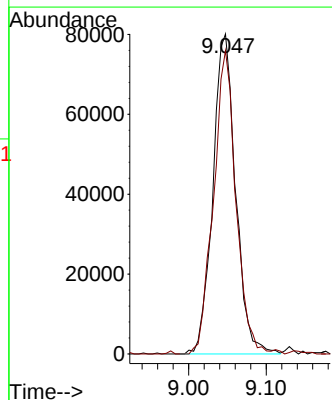
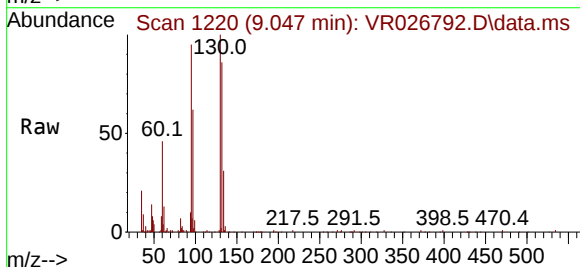
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDICC020

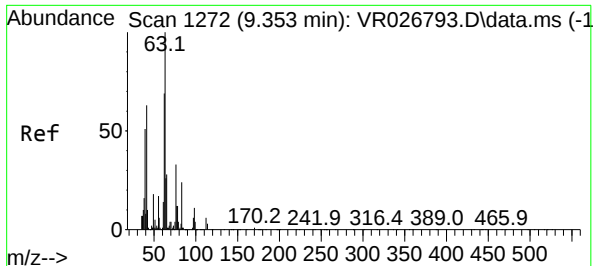
Tgt Ion: 43 Resp: 227224  
Ion Ratio Lower Upper  
43 100  
61 17.0 17.0 25.6  
87 12.0 10.5 15.7



#44  
Trichloroethene  
Concen: 19.630 ug/l  
RT: 9.047 min Scan# 1220  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 130 Resp: 163271  
Ion Ratio Lower Upper  
130 100  
95 94.5 0.0 188.0





#45

1,2-Dichloropropane

Concen: 18.299 ug/l

RT: 9.347 min Scan# 1271

Delta R.T. -0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

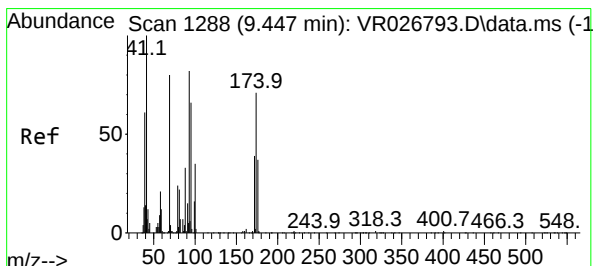
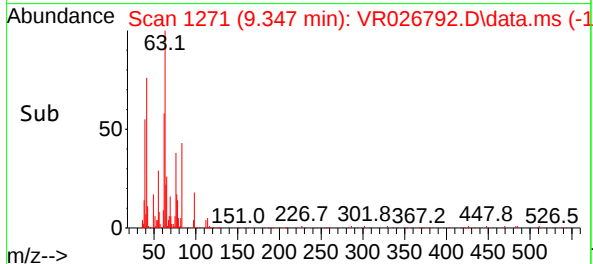
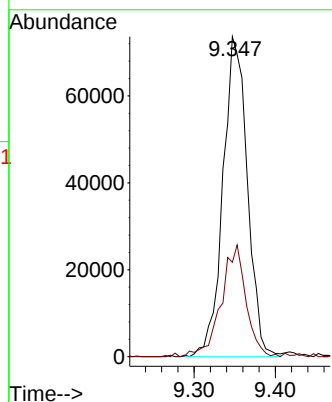
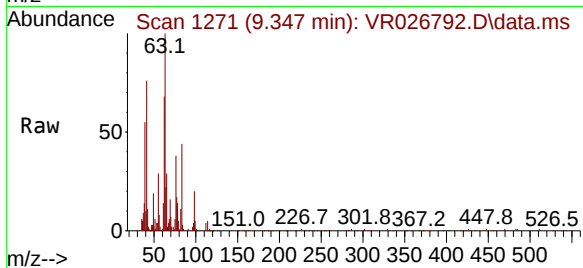
VSTDIC020

Tgt Ion: 63 Resp: 154024

Ion Ratio Lower Upper

63 100

65 29.5 22.7 34.1



#46

Dibromomethane

Concen: 18.916 ug/l

RT: 9.453 min Scan# 1289

Delta R.T. 0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

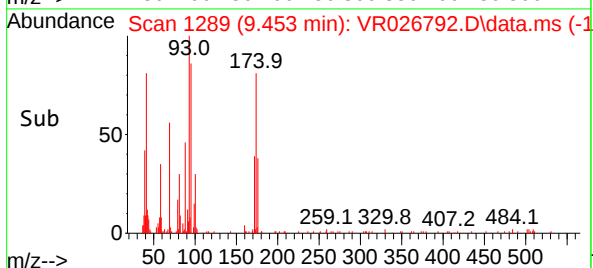
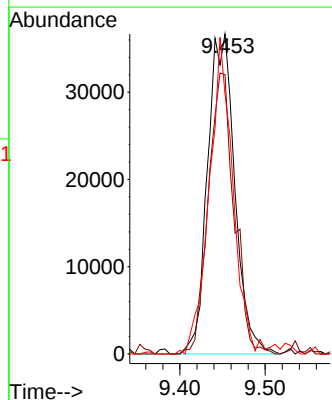
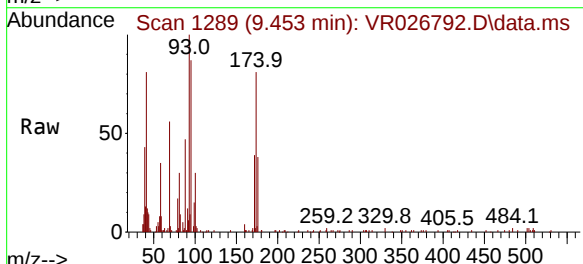
Tgt Ion: 93 Resp: 81550

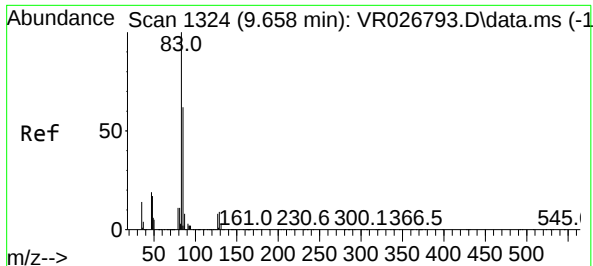
Ion Ratio Lower Upper

93 100

95 83.7 63.4 95.2

174 85.9 67.1 100.7





#47

Bromodichloromethane

Concen: 18.963 ug/l

RT: 9.659 min Scan# 11

Delta R.T. 0.001 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

VSTDICC020

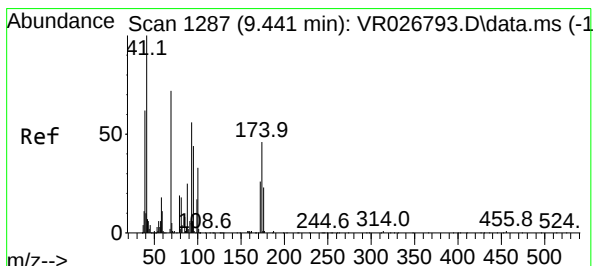
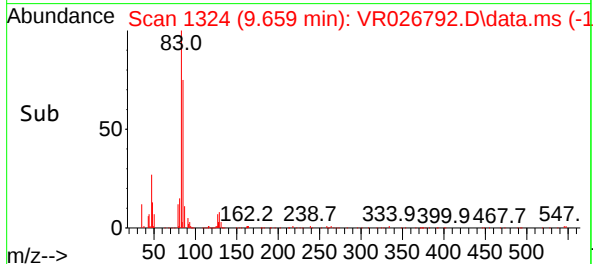
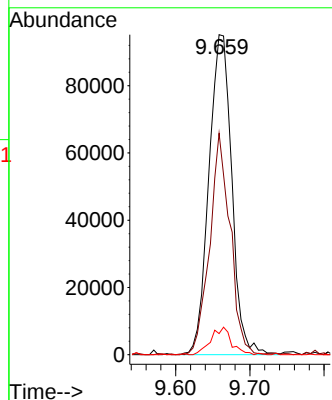
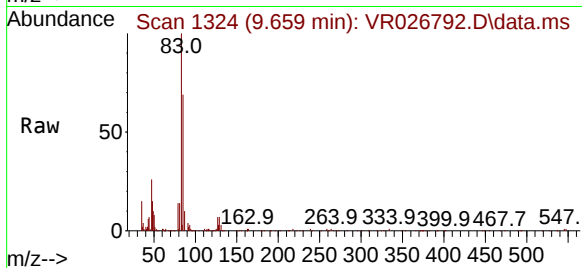
Tgt Ion: 83 Resp: 203923

Ion Ratio Lower Upper

83 100

85 69.0 49.8 74.8

127 6.6 6.5 9.7



#48

Methyl methacrylate

Concen: 17.465 ug/l

RT: 9.441 min Scan# 1287

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

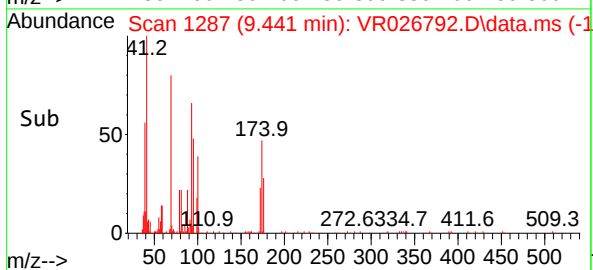
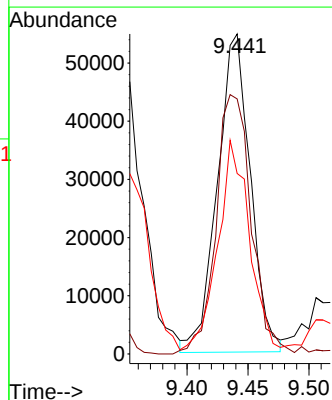
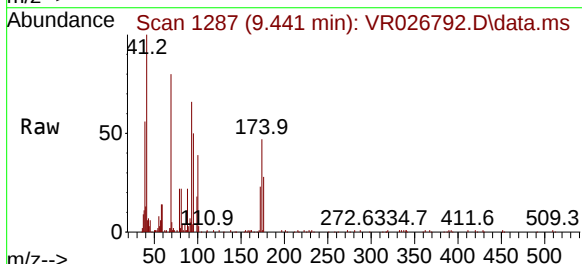
Tgt Ion: 41 Resp: 103149

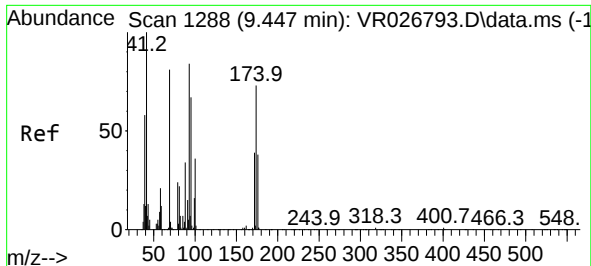
Ion Ratio Lower Upper

41 100

69 86.9 60.6 90.8

39 65.6 48.2 72.2





#49

1,4-Dioxane

Concen: 386.393 ug/l

RT: 9.453 min Scan# 11

Delta R.T. 0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

VSTDICC020

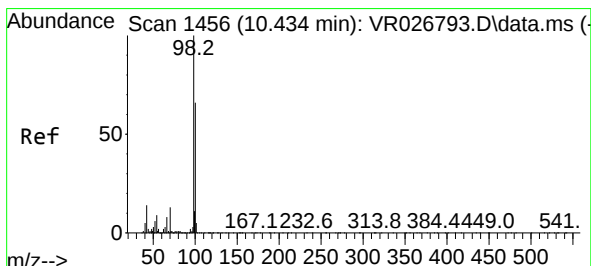
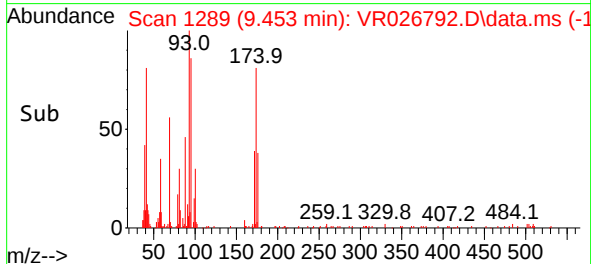
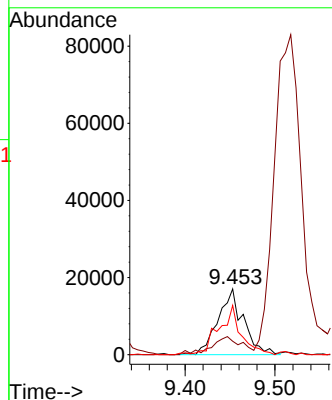
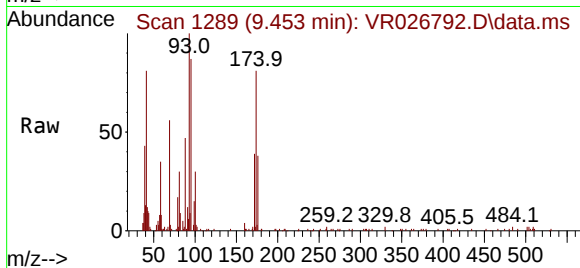
Tgt Ion: 88 Resp: 33584

Ion Ratio Lower Upper

88 100

43 32.6 14.1 21.1#

58 65.6 52.6 78.8



#50

Toluene-d8

Concen: 18.058 ug/l

RT: 10.434 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VR026792.D

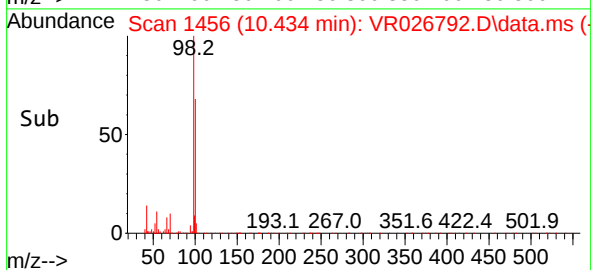
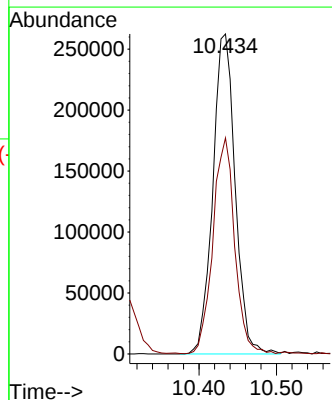
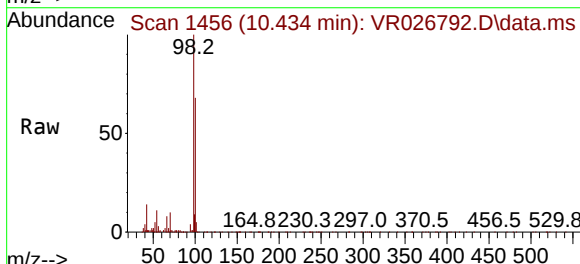
Acq: 4 Dec 2025 13:05

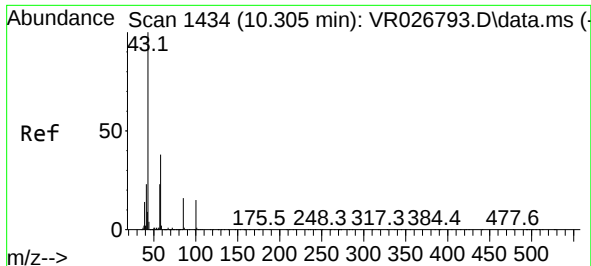
Tgt Ion: 98 Resp: 526121

Ion Ratio Lower Upper

98 100

100 65.5 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 96.416 ug/l

RT: 10.305 min Scan# 1434

Delta R.T. -0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

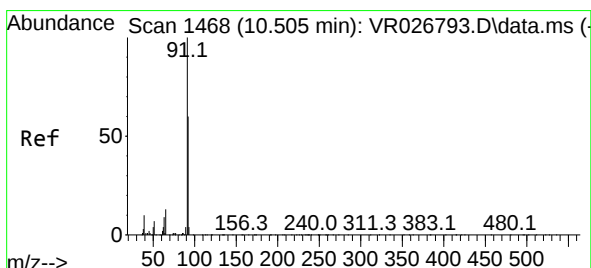
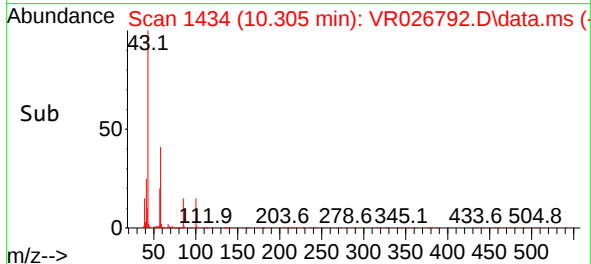
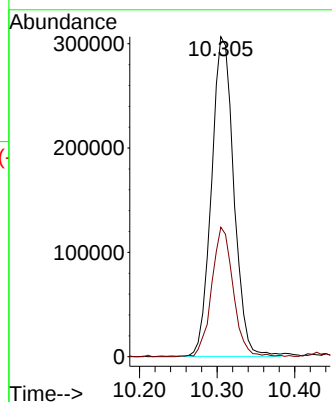
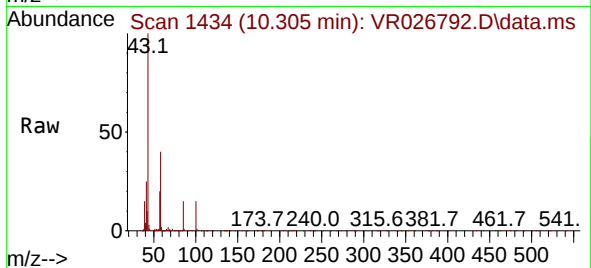
VSTDICC020

Tgt Ion: 43 Resp: 614679

Ion Ratio Lower Upper

43 100

58 39.1 31.1 46.7



#52

Toluene

Concen: 18.922 ug/l

RT: 10.499 min Scan# 1467

Delta R.T. -0.006 min

Lab File: VR026792.D

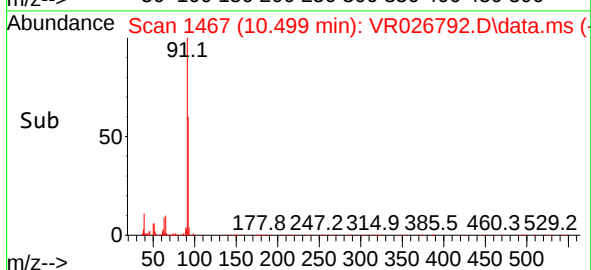
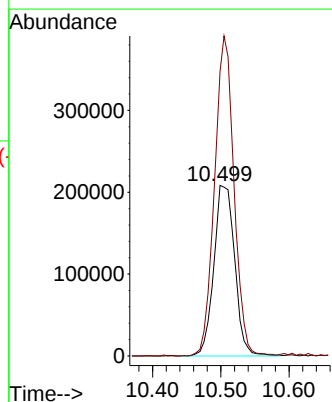
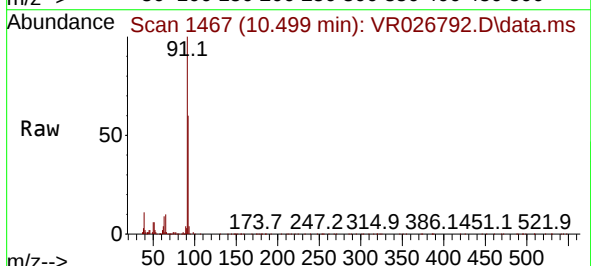
Acq: 4 Dec 2025 13:05

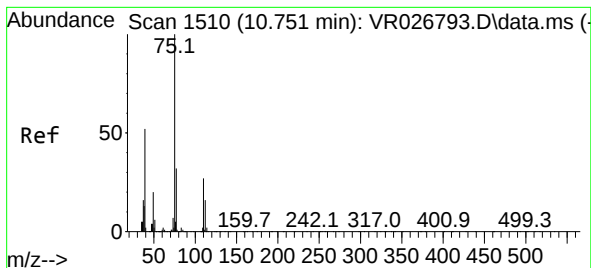
Tgt Ion: 92 Resp: 443512

Ion Ratio Lower Upper

92 100

91 175.3 139.7 209.5

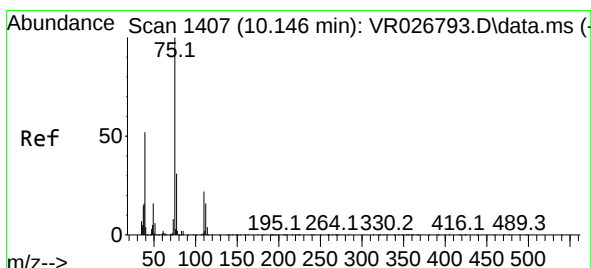
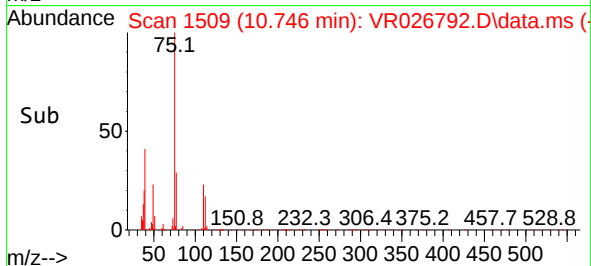
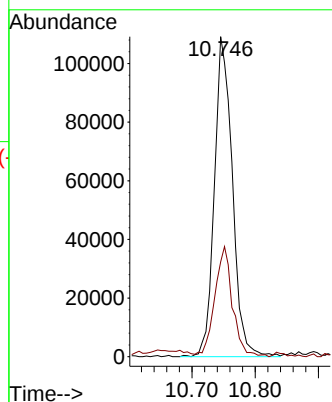
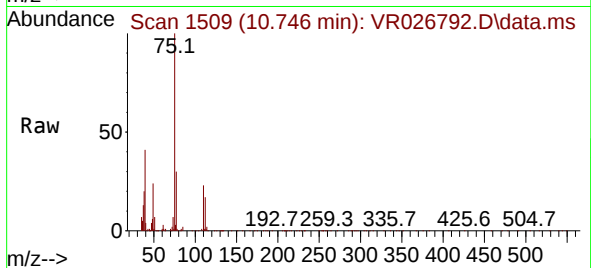




#53  
t-1,3-Dichloropropene  
Concen: 19.485 ug/l  
RT: 10.746 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

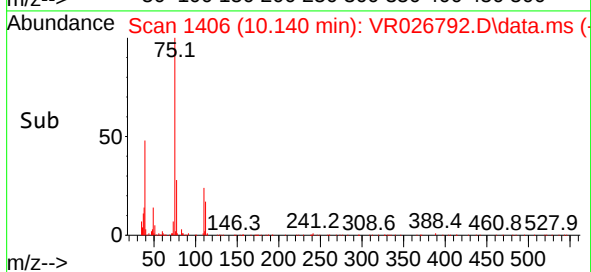
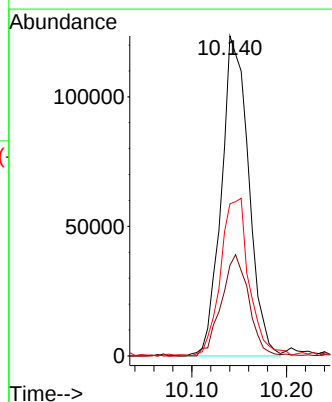
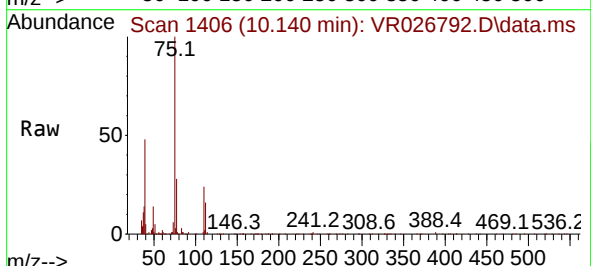
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

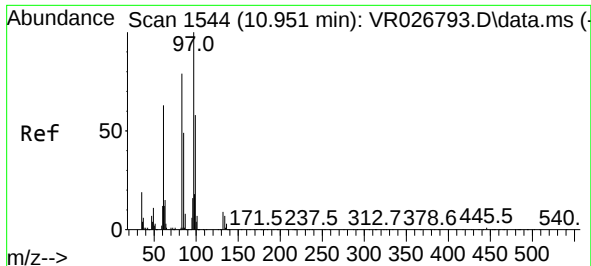
Tgt Ion: 75 Resp: 215466  
Ion Ratio Lower Upper  
75 100  
77 28.7 25.6 38.4



#54  
cis-1,3-Dichloropropene  
Concen: 18.678 ug/l  
RT: 10.140 min Scan# 1406  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 75 Resp: 246931  
Ion Ratio Lower Upper  
75 100  
77 28.4 24.6 37.0  
39 47.1 41.8 62.6



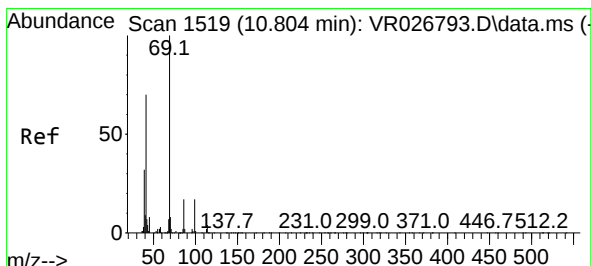
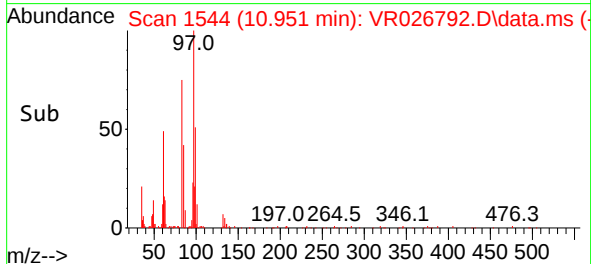
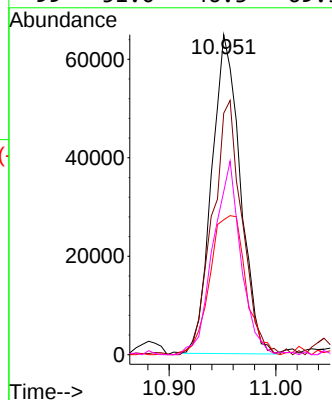
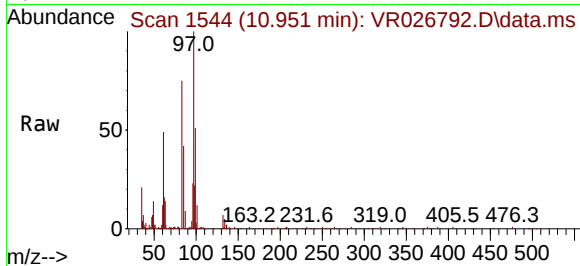


#55  
1,1,2-Trichloroethane  
Concen: 19.463 ug/l  
RT: 10.951 min Scan# 1544  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

Tgt Ion: 97 Resp: 120694

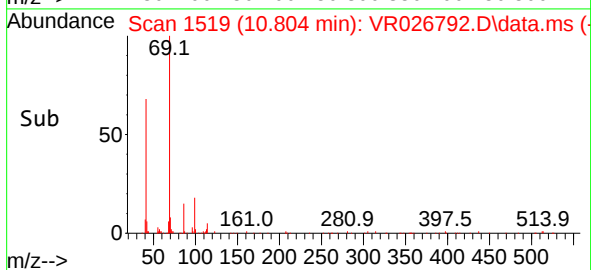
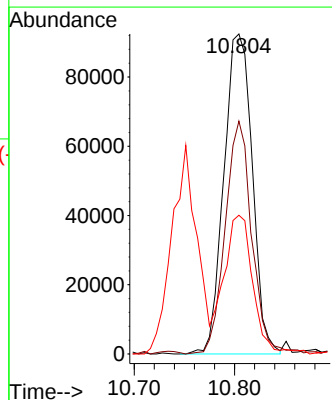
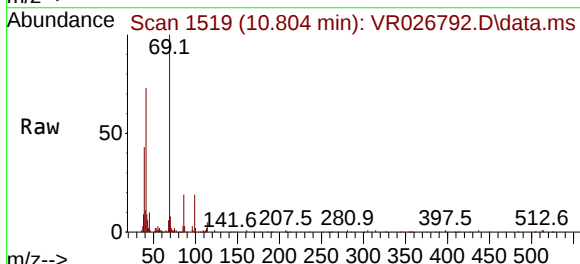
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 76.0  | 63.4  | 95.2  |
| 85  | 42.5  | 39.2  | 58.8  |
| 99  | 51.0  | 46.3  | 69.5  |

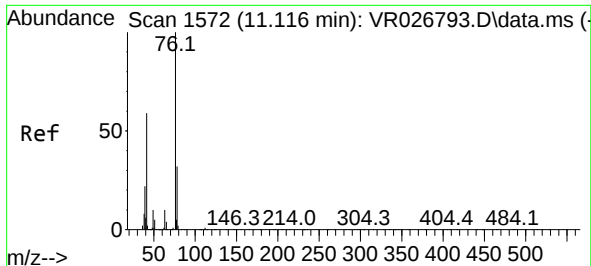


#56  
Ethyl methacrylate  
Concen: 19.788 ug/l  
RT: 10.804 min Scan# 1519  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 69 Resp: 181582

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 68.4  | 55.3  | 82.9  |
| 39  | 43.8  | 33.7  | 50.5  |





#57

1,3-Dichloropropane

Concen: 18.837 ug/l

RT: 11.116 min Scan# 11

Delta R.T. -0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

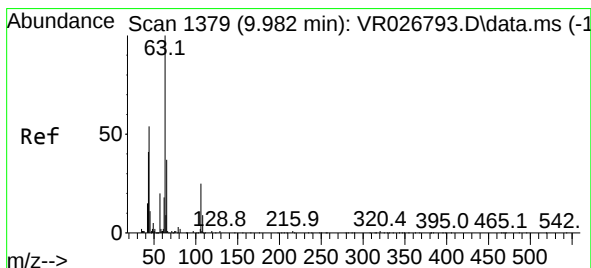
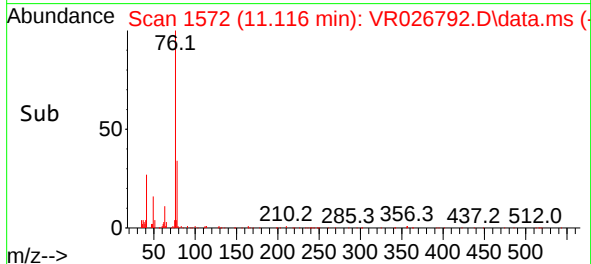
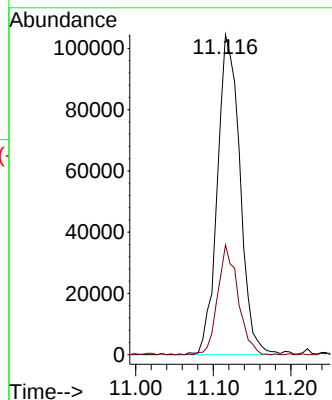
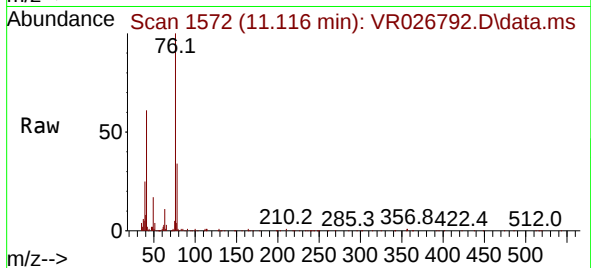
VSTDIC020

Tgt Ion: 76 Resp: 211919

Ion Ratio Lower Upper

76 100

78 30.8 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 101.122 ug/l

RT: 9.982 min Scan# 1379

Delta R.T. -0.000 min

Lab File: VR026792.D

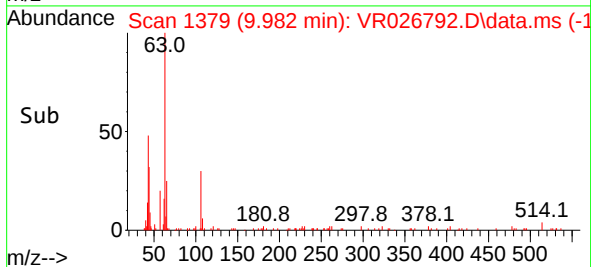
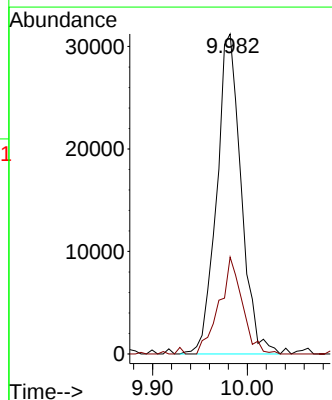
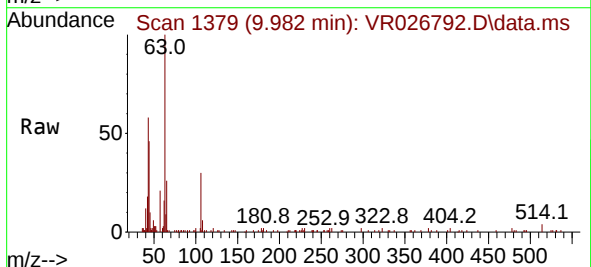
Acq: 4 Dec 2025 13:05

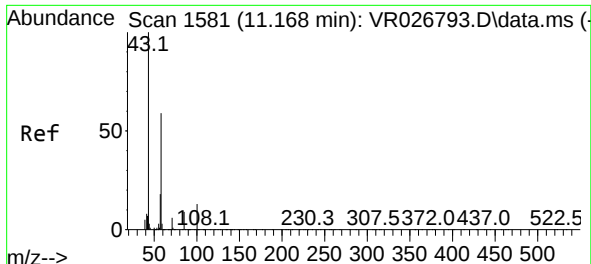
Tgt Ion: 63 Resp: 55899

Ion Ratio Lower Upper

63 100

106 28.5 23.7 35.5

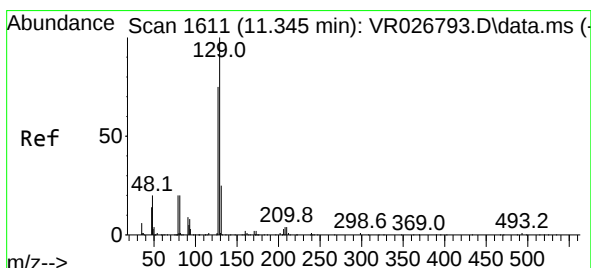
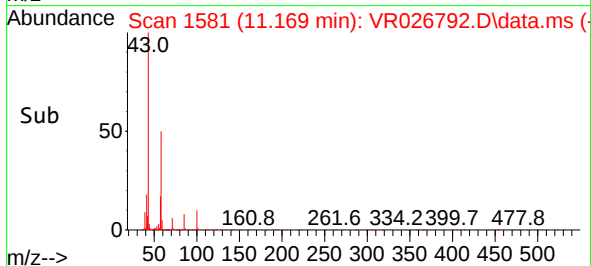
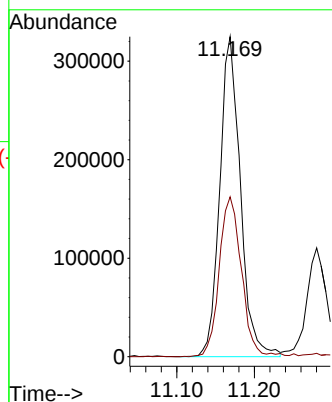
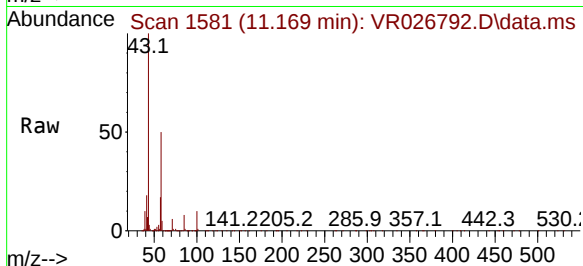




#59  
2-Hexanone  
Concen: 106.241 ug/l  
RT: 11.169 min Scan# 1581  
Delta R.T. 0.001 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

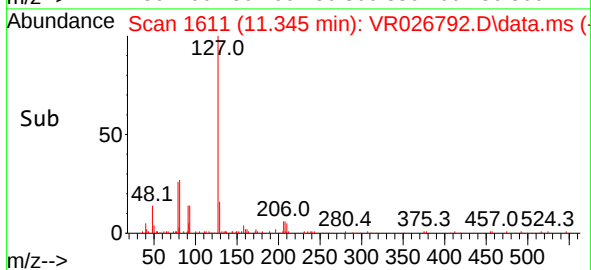
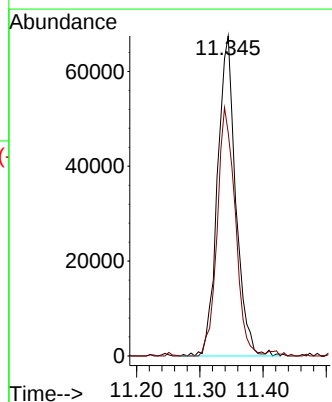
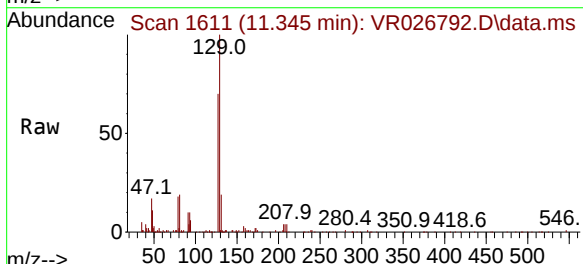
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

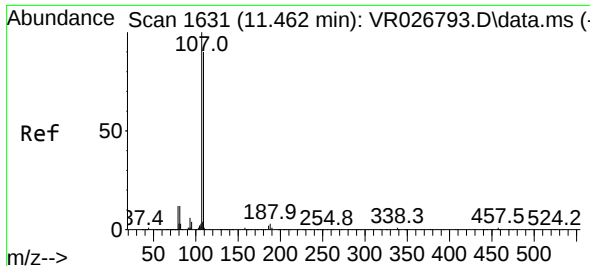
Tgt Ion: 43 Resp: 600744  
Ion Ratio Lower Upper  
43 100  
58 53.9 27.1 81.2



#60  
Dibromochloromethane  
Concen: 20.260 ug/l  
RT: 11.345 min Scan# 1611  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion:129 Resp: 135827  
Ion Ratio Lower Upper  
129 100  
127 76.5 40.6 121.8

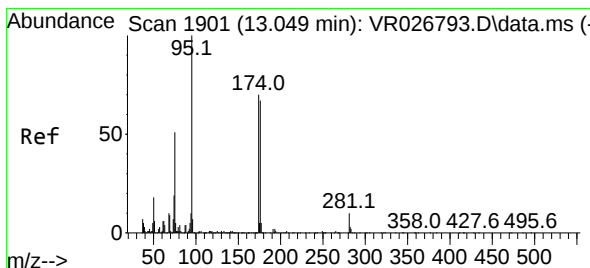
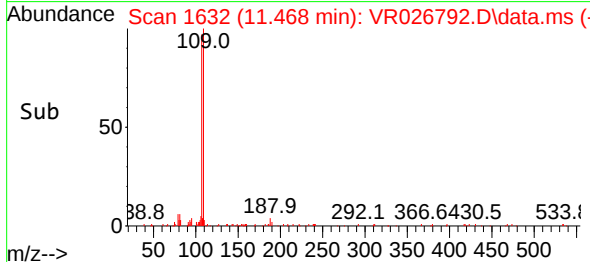
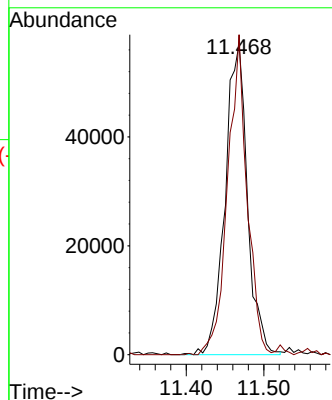
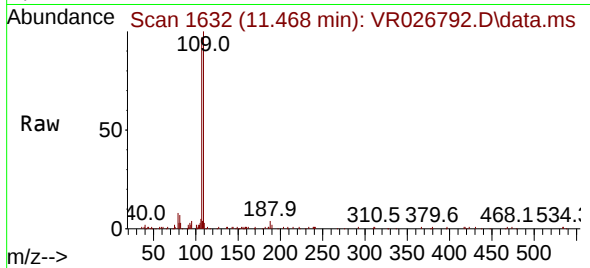




#61  
1,2-Dibromoethane  
Concen: 19.611 ug/l  
RT: 11.468 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

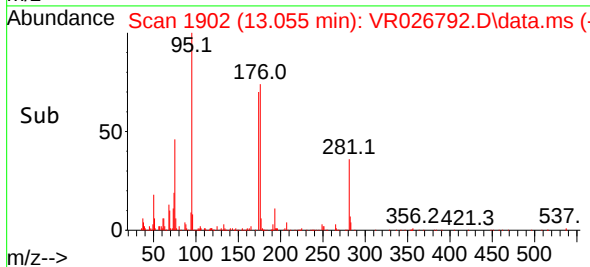
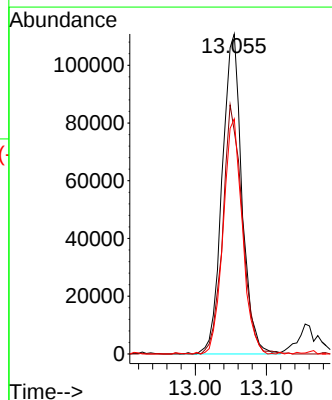
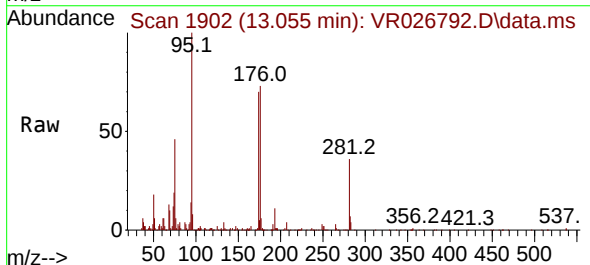
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

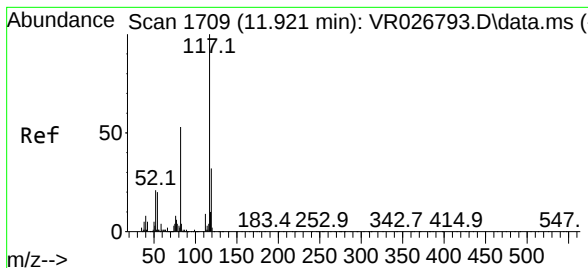
Tgt Ion:107 Resp: 114515  
Ion Ratio Lower Upper  
107 100  
109 89.3 76.7 115.1



#62  
4-Bromofluorobenzene  
Concen: 19.073 ug/l  
RT: 13.055 min Scan# 1902  
Delta R.T. 0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 95 Resp: 213570  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 145.6  
176 71.4 0.0 140.6

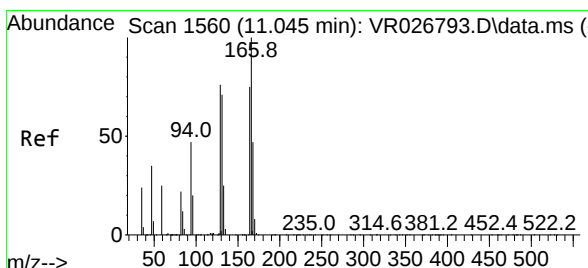
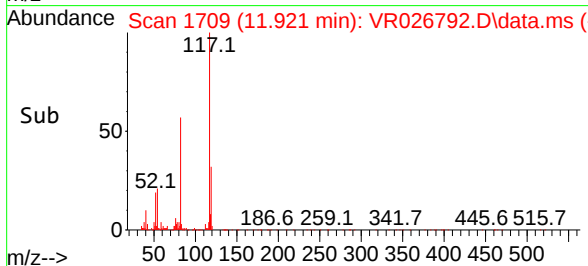
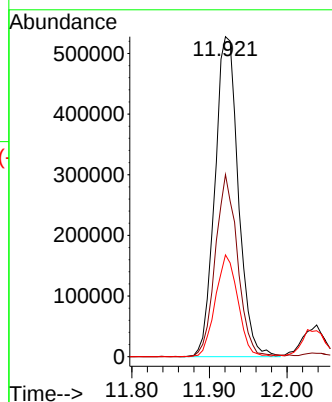
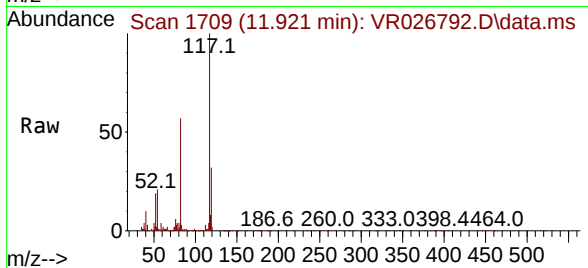




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.921 min Scan# 1709  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

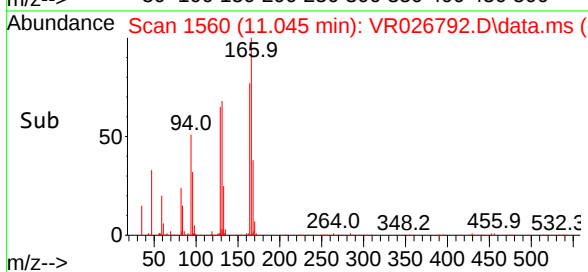
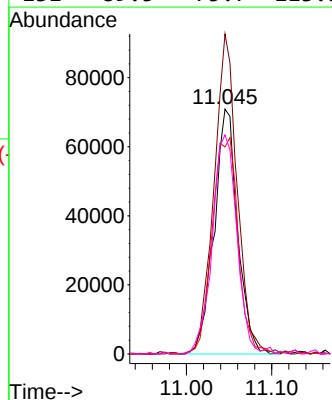
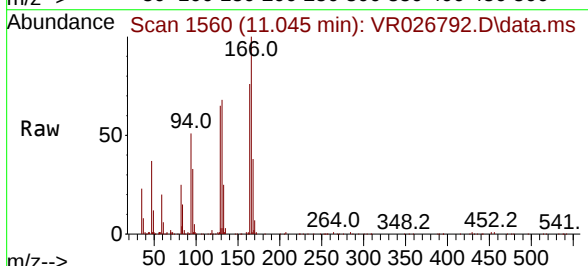
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ClientSampleId :  
VSTDIC020

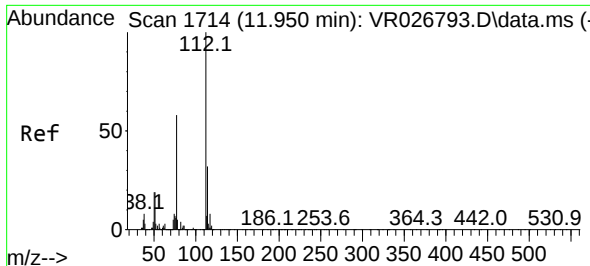
Tgt Ion:117 Resp: 1110698  
Ion Ratio Lower Upper  
117 100  
82 56.9 42.3 63.5  
119 31.8 25.8 38.6



#64  
Tetrachloroethene  
Concen: 17.688 ug/l  
RT: 11.045 min Scan# 1560  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion:164 Resp: 136032  
Ion Ratio Lower Upper  
164 100  
166 130.7 106.5 159.7  
129 84.6 81.1 121.7  
131 89.5 75.7 113.5

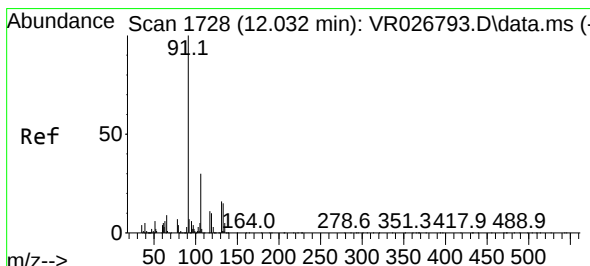
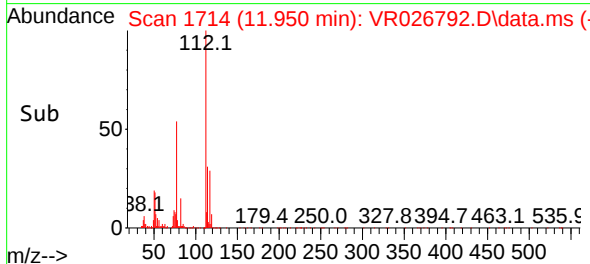
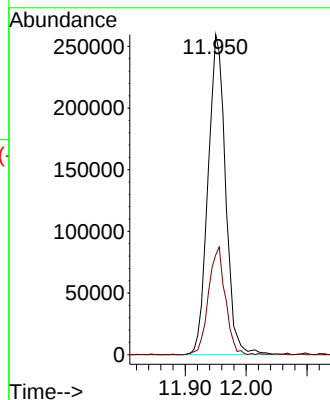
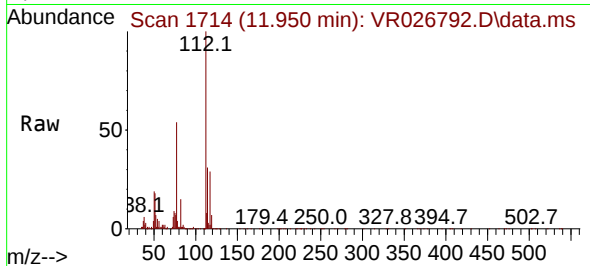




#65  
Chlorobenzene  
Concen: 19.132 ug/l  
RT: 11.950 min Scan# 1714  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

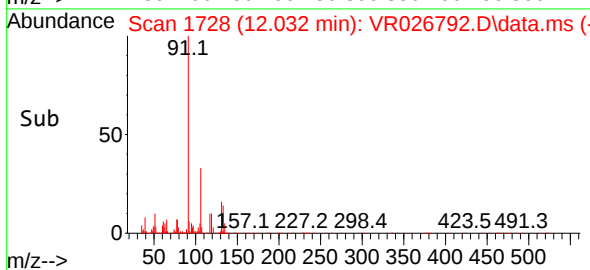
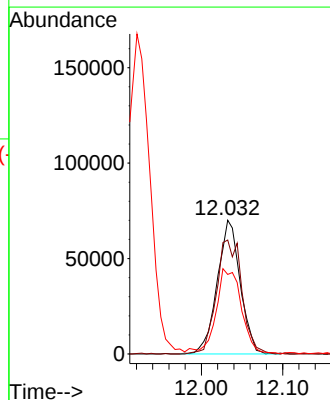
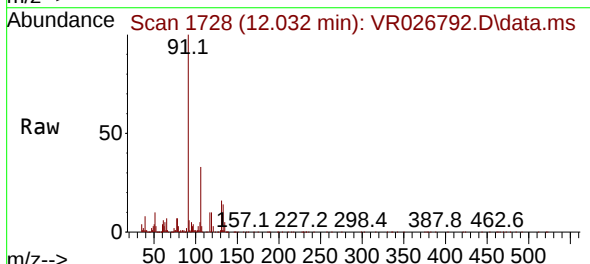
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

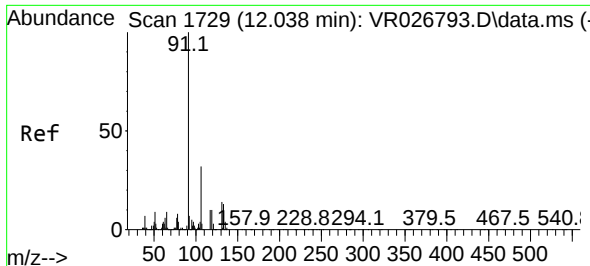
Tgt Ion:112 Resp: 519956  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.573 ug/l  
RT: 12.032 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion:131 Resp: 137839  
Ion Ratio Lower Upper  
131 100  
133 94.3 47.0 141.2  
119 70.5 34.9 104.7

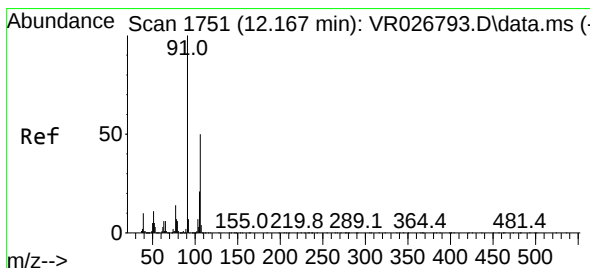
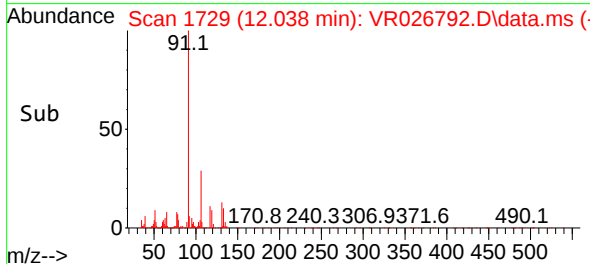
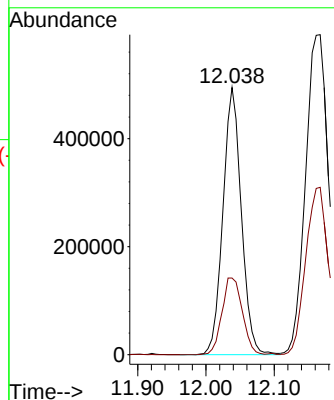
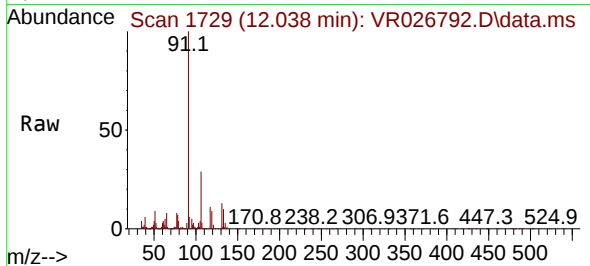




#67  
Ethyl Benzene  
Concen: 18.993 ug/l  
RT: 12.038 min Scan# 1729  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

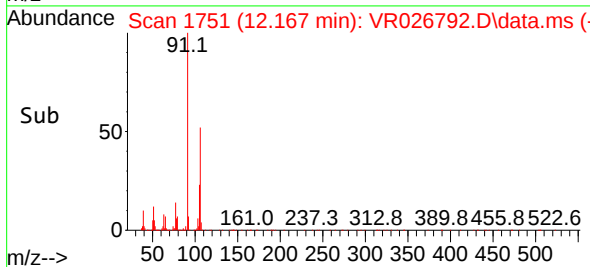
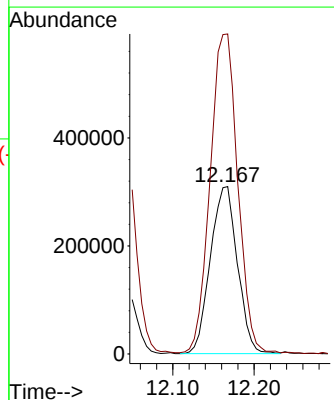
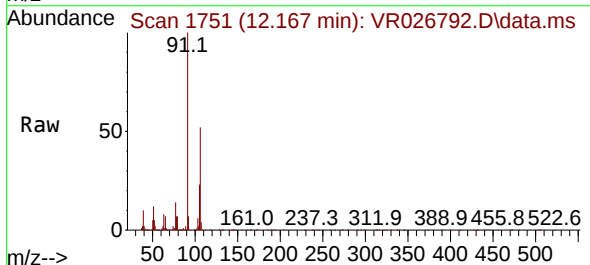
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

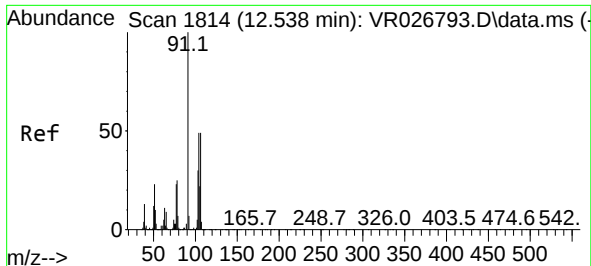
Tgt Ion: 91 Resp: 928430  
Ion Ratio Lower Upper  
91 100  
106 28.7 25.2 37.8



#68  
m/p-Xylenes  
Concen: 37.376 ug/l  
RT: 12.167 min Scan# 1751  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 106 Resp: 714843  
Ion Ratio Lower Upper  
106 100  
91 195.0 159.2 238.8

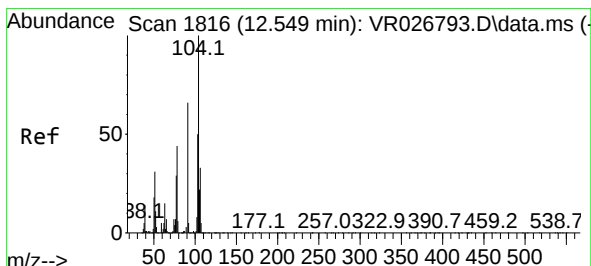
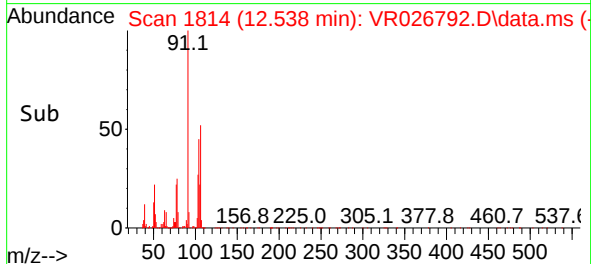
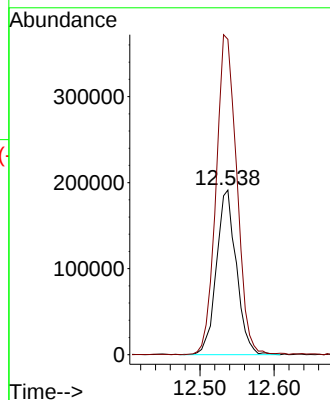
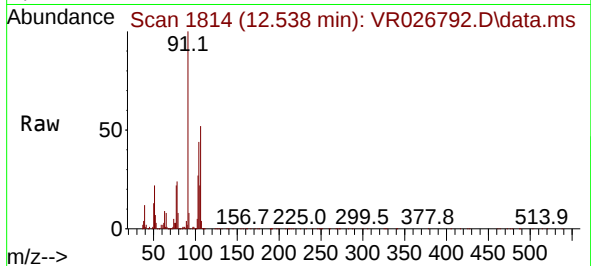




#69  
o-Xylene  
Concen: 19.376 ug/l  
RT: 12.538 min Scan# 1814  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

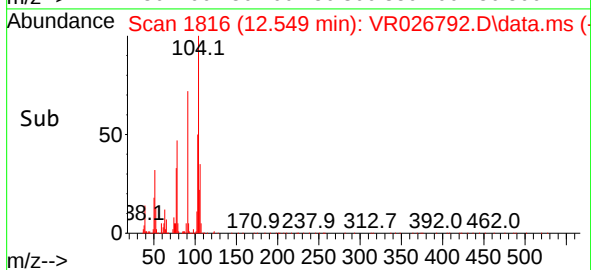
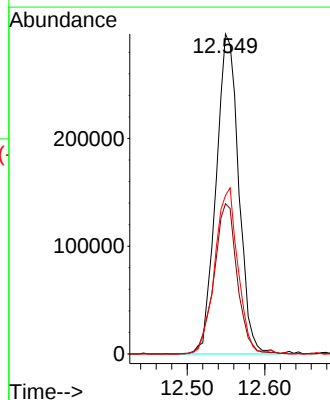
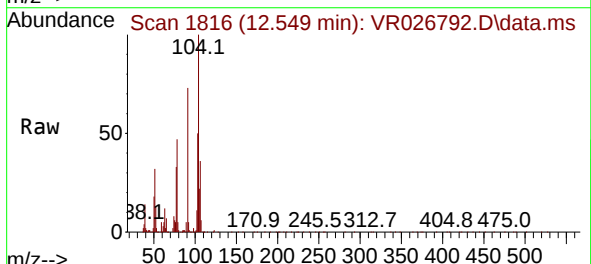
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MSVOA\_R  
ClientSampleId :  
VSTDIC020

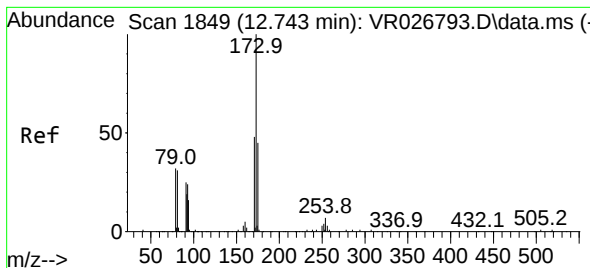
Tgt Ion:106 Resp: 356416  
Ion Ratio Lower Upper  
106 100  
91 202.4 102.5 307.4



#70  
Styrene  
Concen: 19.173 ug/l  
RT: 12.549 min Scan# 1816  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion:104 Resp: 604197  
Ion Ratio Lower Upper  
104 100  
78 48.1 37.8 56.8  
103 53.2 43.3 64.9





#71

Bromoform

Concen: 18.115 ug/l

RT: 12.737 min Scan# 1848

Delta R.T. -0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

VSTDIC020

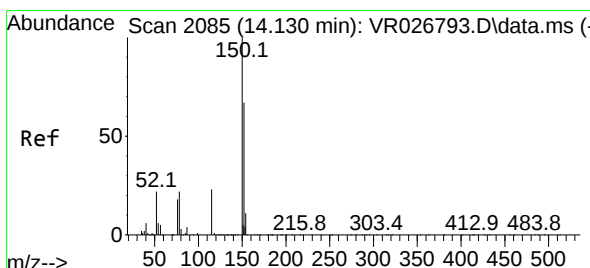
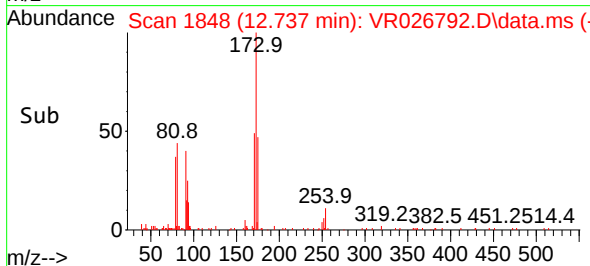
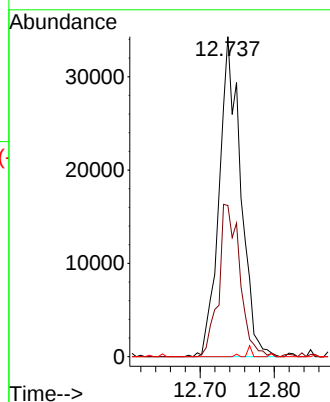
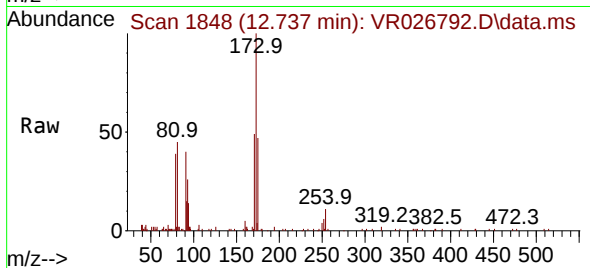
Tgt Ion:173 Resp: 69420

Ion Ratio Lower Upper

173 100

175 46.5 24.9 74.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.124 min Scan# 2084

Delta R.T. -0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

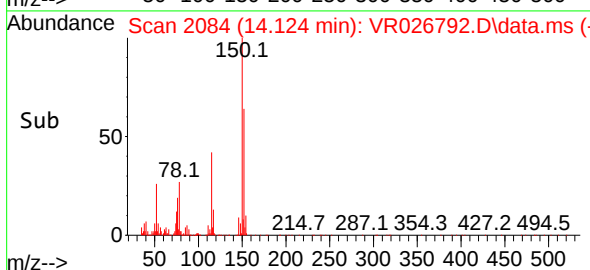
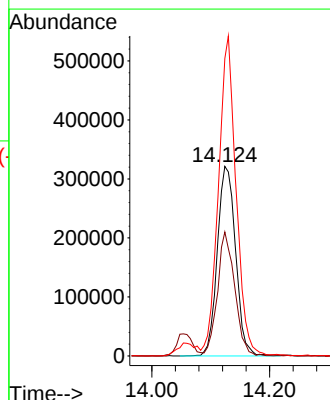
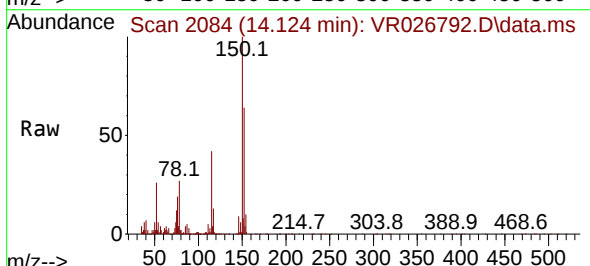
Tgt Ion:152 Resp: 694349

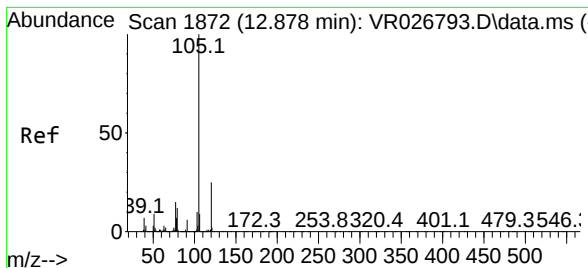
Ion Ratio Lower Upper

152 100

115 61.3 29.0 87.1

150 161.0 0.0 345.6





#73

Isopropylbenzene

Concen: 18.692 ug/l

RT: 12.878 min Scan# 1872

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

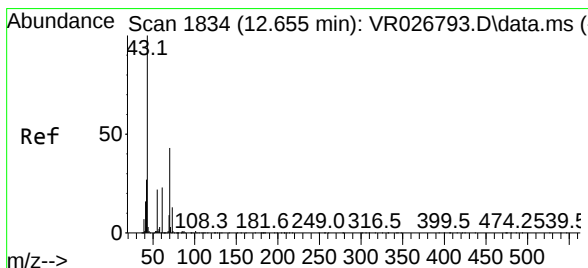
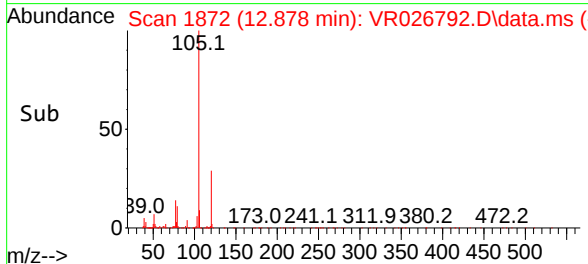
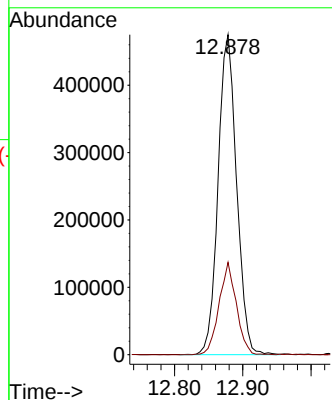
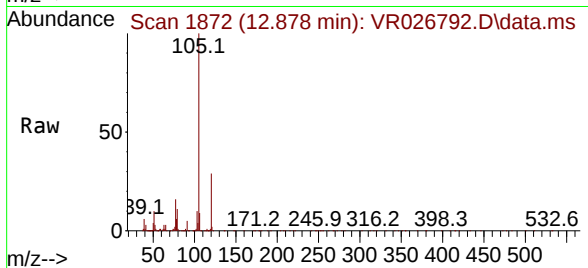
VSTDIC020

Tgt Ion:105 Resp: 897069

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1



#74

N-ethyl acetate

Concen: 18.792 ug/l

RT: 12.655 min Scan# 1834

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Tgt Ion: 43 Resp: 246853

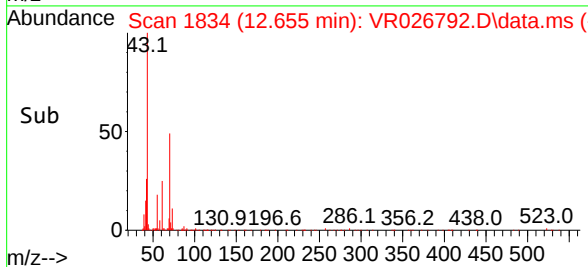
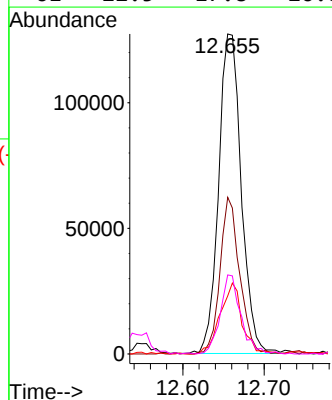
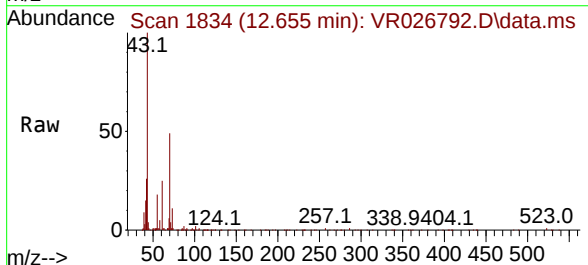
Ion Ratio Lower Upper

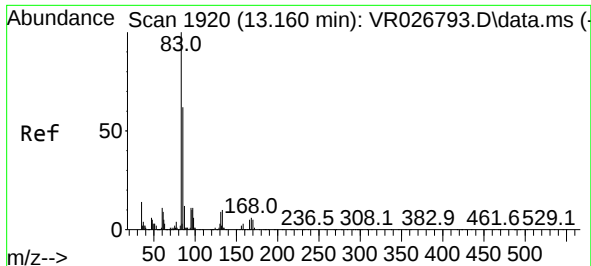
43 100

70 42.6 32.6 49.0

55 21.6 17.8 26.8

61 22.5 17.8 26.8

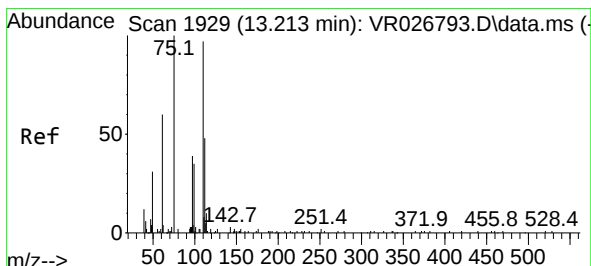
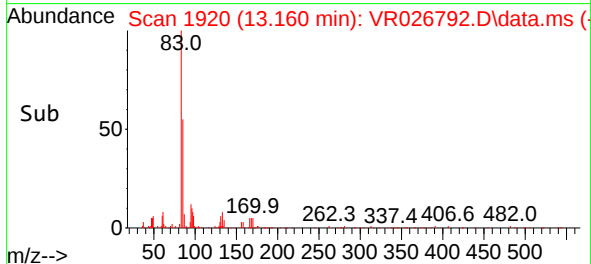
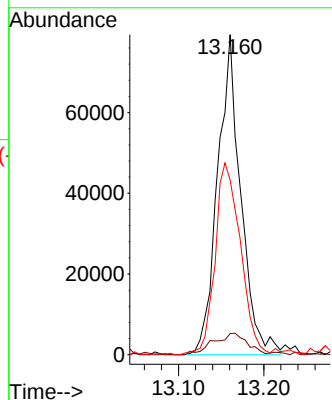
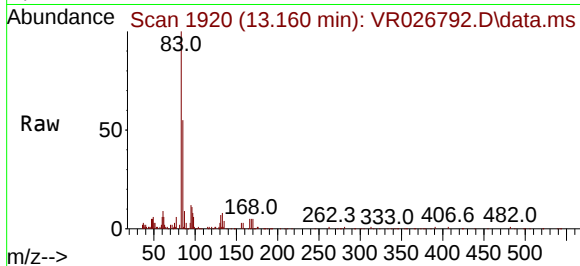




#75  
1,1,2,2-Tetrachloroethane  
Concen: 18.462 ug/l  
RT: 13.160 min Scan# 1920  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

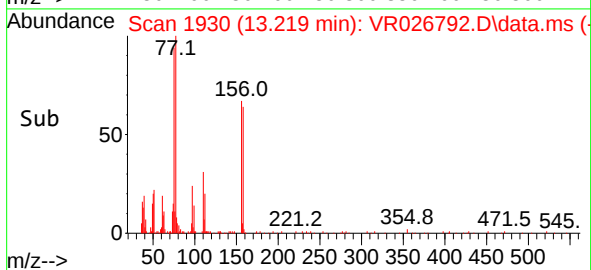
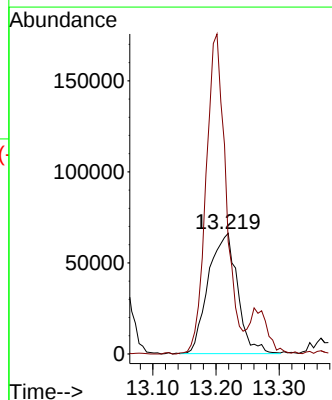
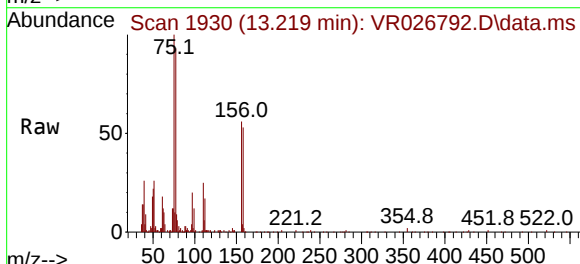
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDICC020

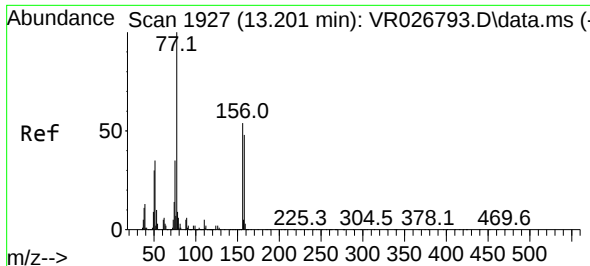
Tgt Ion: 83 Resp: 149672  
Ion Ratio Lower Upper  
83 100  
131 9.9 4.5 13.5  
85 65.4 31.1 93.2



#76  
1,2,3-Trichloropropane  
Concen: 29.801 ug/l  
RT: 13.219 min Scan# 1930  
Delta R.T. 0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 75 Resp: 212685  
Ion Ratio Lower Upper  
75 100  
77 181.0 132.3 397.0

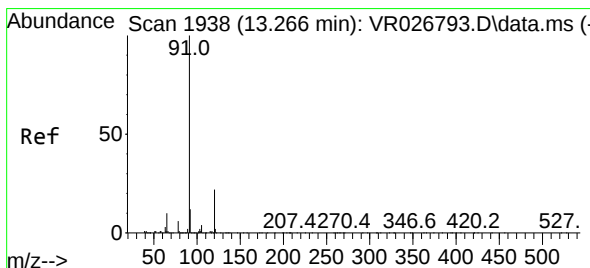
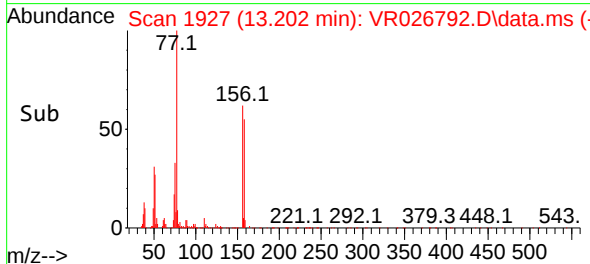
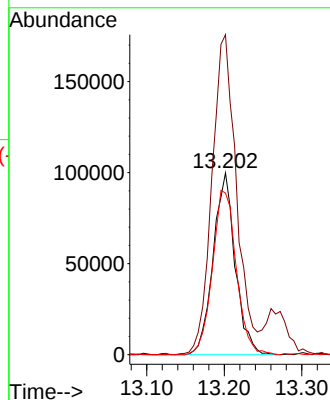
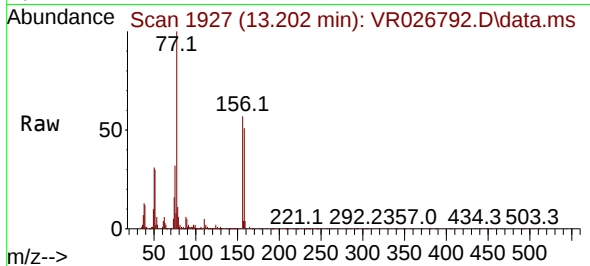




#77  
Bromobenzene  
Concen: 19.199 ug/l  
RT: 13.202 min Scan# 1927  
Delta R.T. 0.001 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

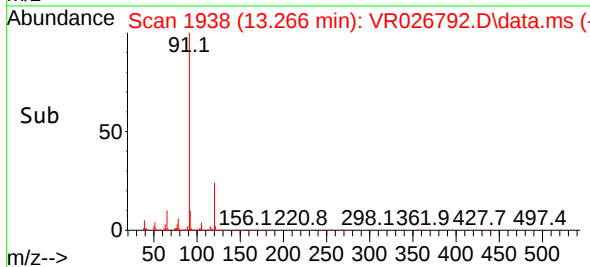
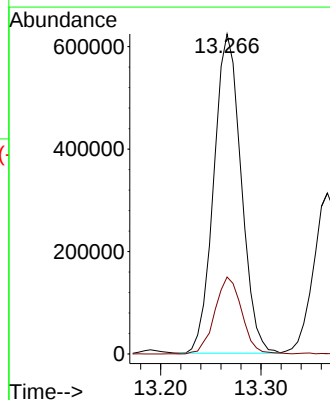
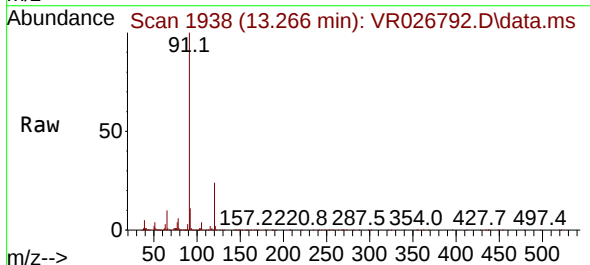
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

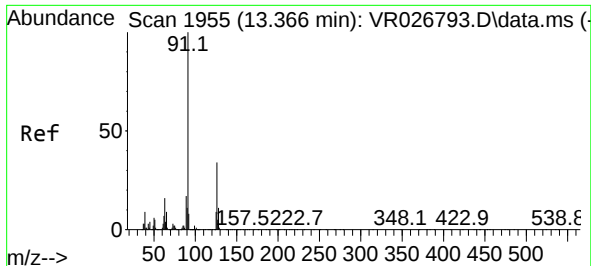
Tgt Ion:156 Resp: 197050  
Ion Ratio Lower Upper  
156 100  
77 195.4 102.8 308.5  
158 98.1 47.4 142.2



#78  
n-propylbenzene  
Concen: 19.076 ug/l  
RT: 13.266 min Scan# 1938  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 91 Resp: 1178924  
Ion Ratio Lower Upper  
91 100  
120 23.7 11.1 33.1

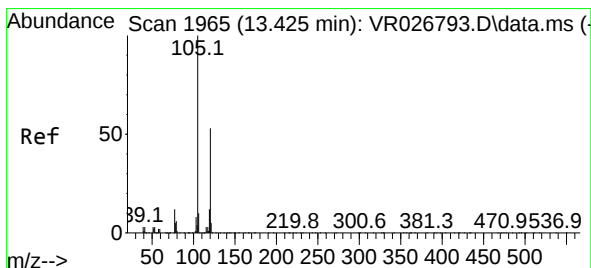
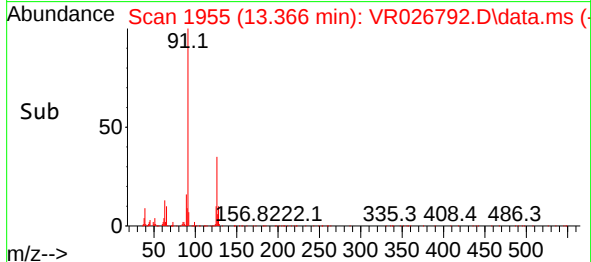
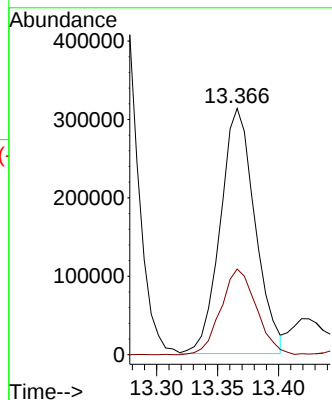
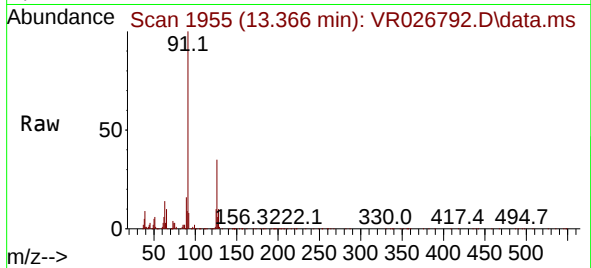




#79  
2-Chlorotoluene  
Concen: 18.587 ug/l  
RT: 13.366 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

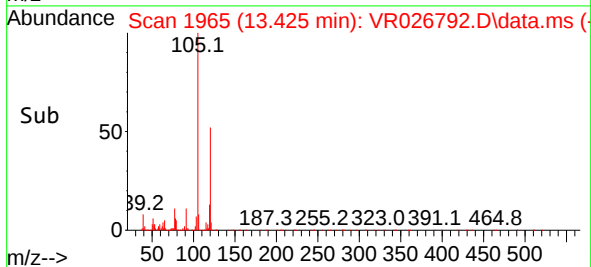
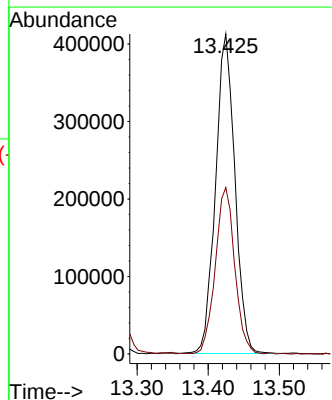
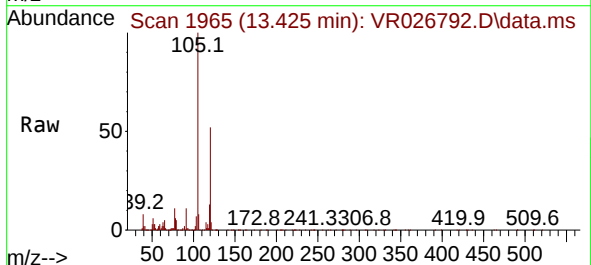
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

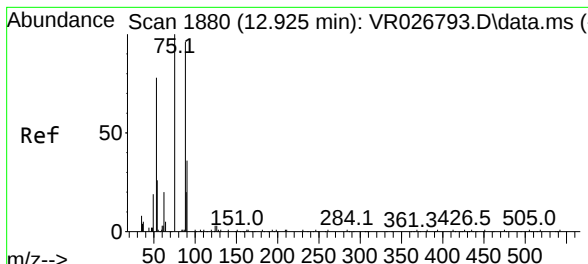
Tgt Ion: 91 Resp: 621461  
Ion Ratio Lower Upper  
91 100  
126 35.7 17.3 52.0



#80  
1,3,5-Trimethylbenzene  
Concen: 18.579 ug/l  
RT: 13.425 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 105 Resp: 778812  
Ion Ratio Lower Upper  
105 100  
120 52.1 25.2 75.6

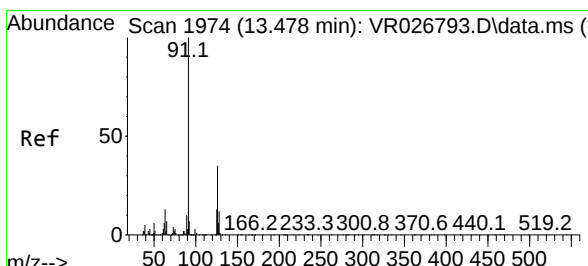
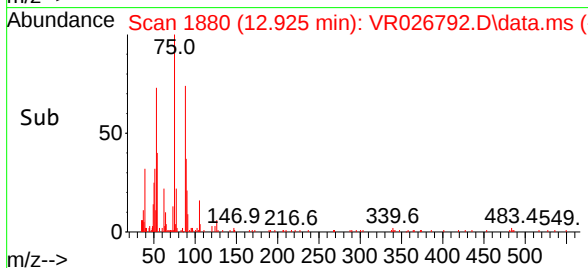
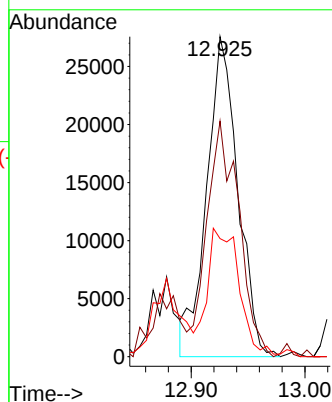
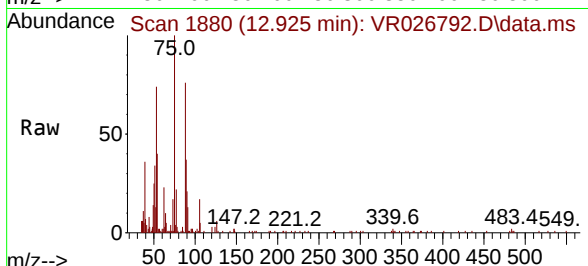




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.762 ug/l  
RT: 12.925 min Scan# 1880  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

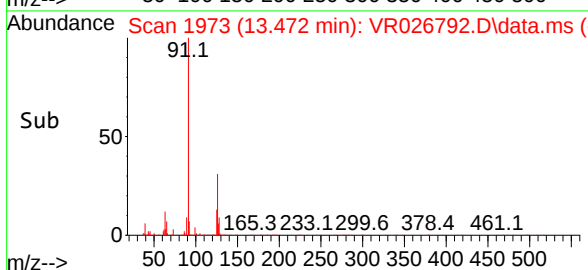
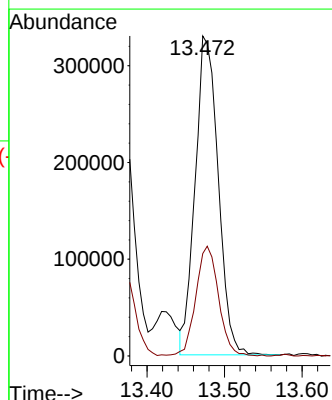
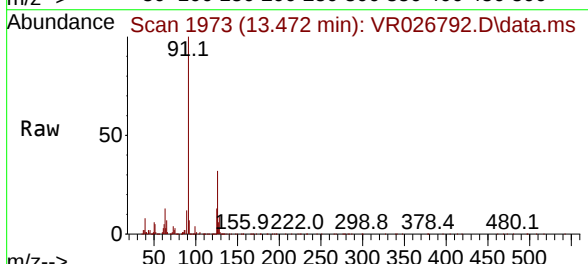
Instrument : MSVOA\_R  
ClientSampleId : VSTDIC020

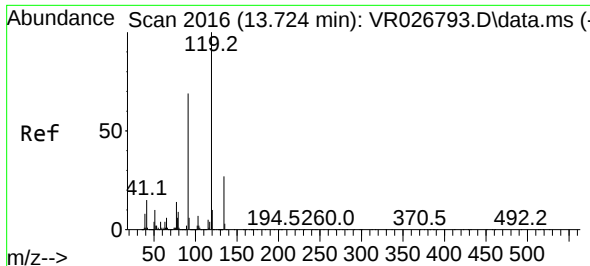
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 52461 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 75.8  | 74.3  | 111.5 |
| 89       | 40.9  | 35.9  | 53.9  |



#82  
4-Chlorotoluene  
Concen: 18.706 ug/l  
RT: 13.472 min Scan# 1973  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 679547 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.2  | 16.7  | 50.0   |

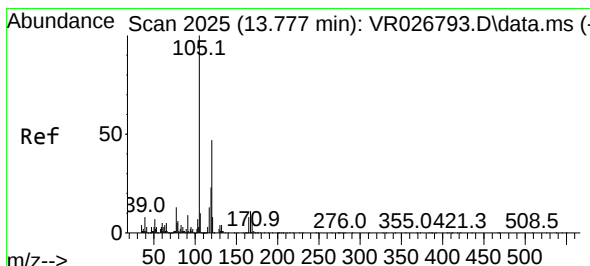
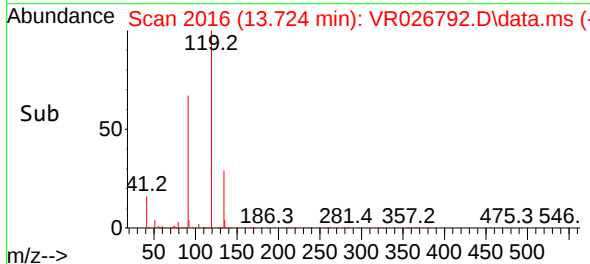
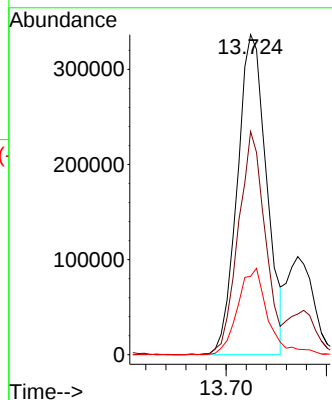
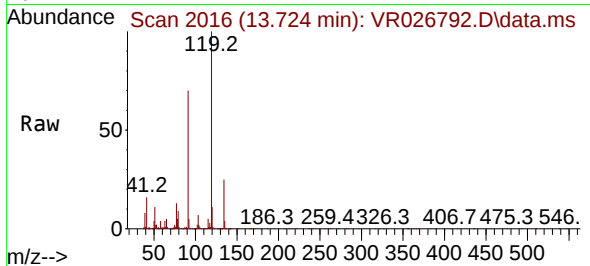




#83  
tert-Butylbenzene  
Concen: 18.063 ug/l  
RT: 13.724 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

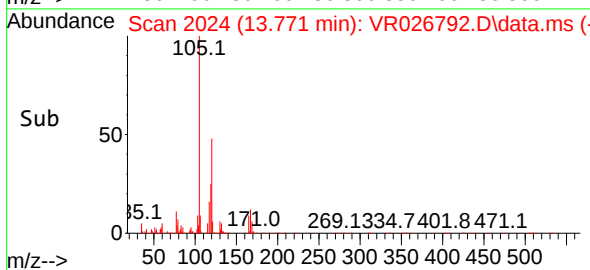
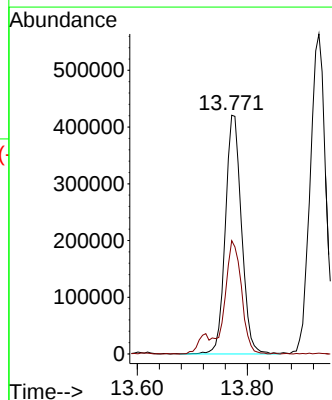
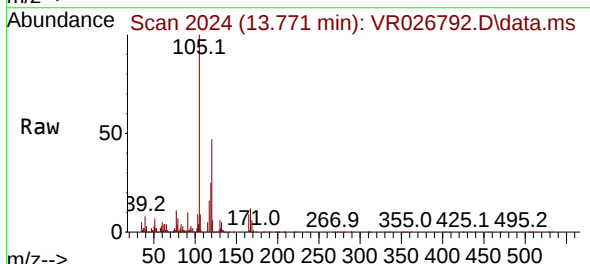
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDICC020

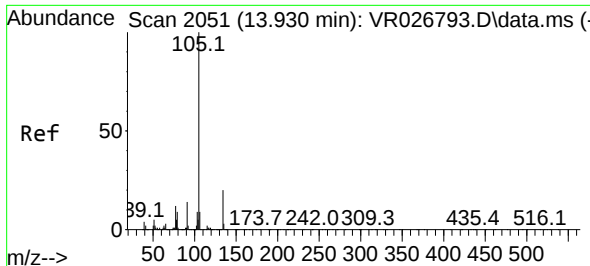
Tgt Ion:119 Resp: 682409  
Ion Ratio Lower Upper  
119 100  
91 65.9 32.8 98.3  
134 27.8 13.7 41.0



#84  
1,2,4-Trimethylbenzene  
Concen: 19.056 ug/l  
RT: 13.771 min Scan# 2024  
Delta R.T. -0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion:105 Resp: 857431  
Ion Ratio Lower Upper  
105 100  
120 46.4 23.7 71.1

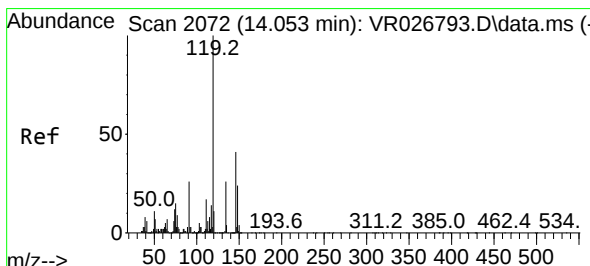
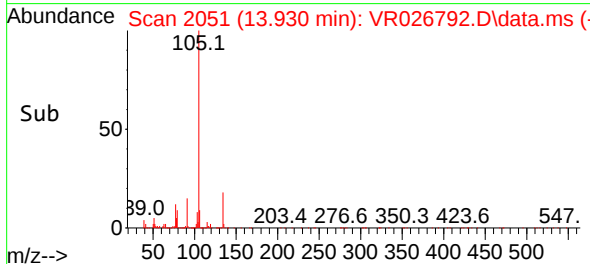
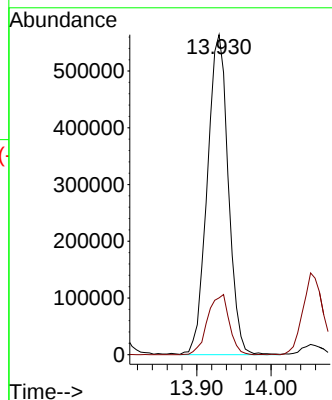
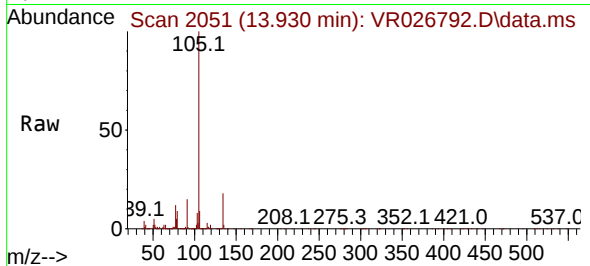




#85  
 sec-Butylbenzene  
 Concen: 18.673 ug/l  
 RT: 13.930 min Scan# 2051  
 Delta R.T. 0.000 min  
 Lab File: VR026792.D  
 Acq: 4 Dec 2025 13:05

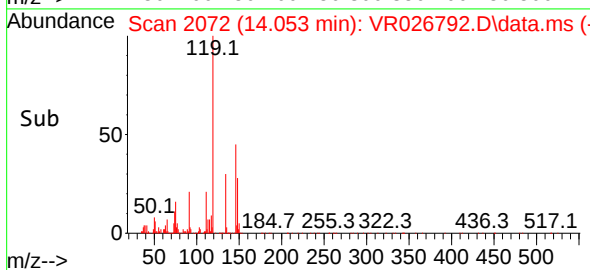
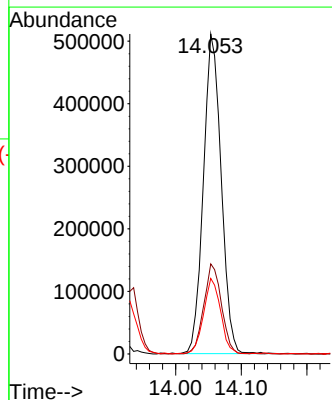
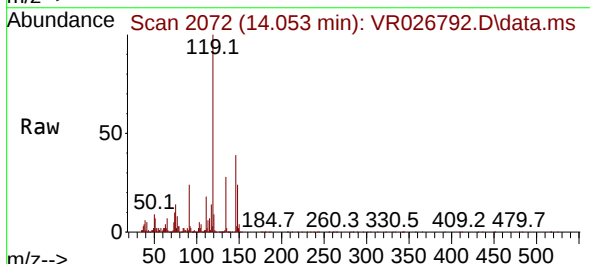
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTDIC020

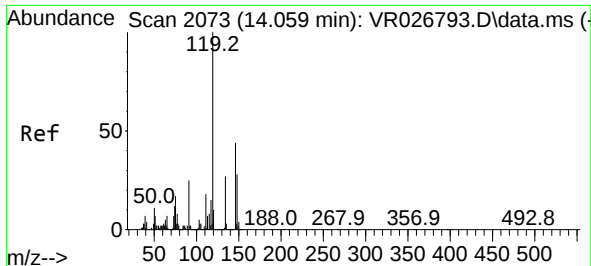
Tgt Ion:105 Resp: 1112074  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 10.1 30.3



#86  
 p-Isopropyltoluene  
 Concen: 18.405 ug/l  
 RT: 14.053 min Scan# 2072  
 Delta R.T. 0.000 min  
 Lab File: VR026792.D  
 Acq: 4 Dec 2025 13:05

Tgt Ion:119 Resp: 965409  
 Ion Ratio Lower Upper  
 119 100  
 134 28.0 13.3 39.9  
 91 22.6 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 19.486 ug/l

RT: 14.059 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

VSTDIC020

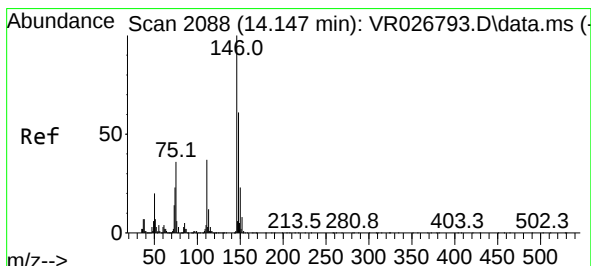
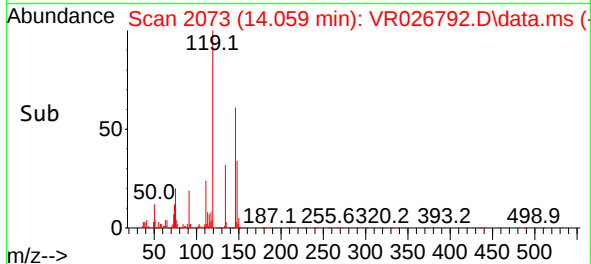
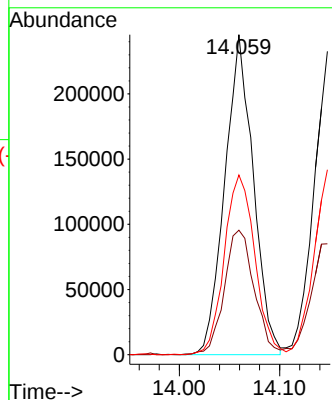
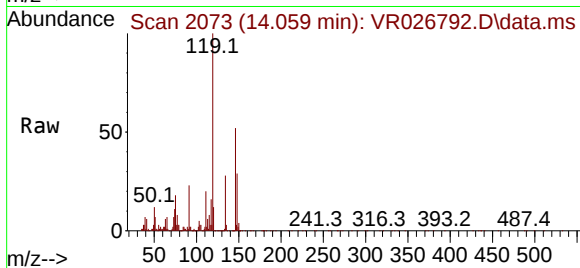
Tgt Ion:146 Resp: 483922

Ion Ratio Lower Upper

146 100

111 40.9 20.8 62.2

148 60.3 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 18.722 ug/l

RT: 14.147 min Scan# 2088

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

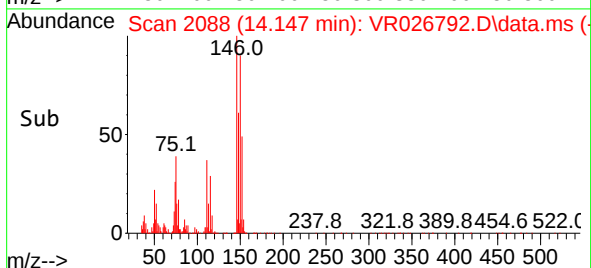
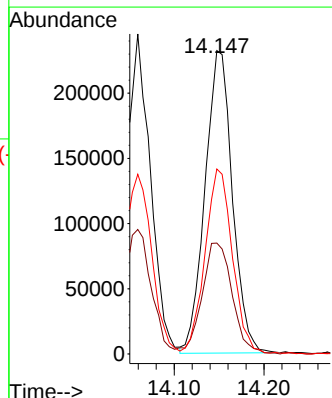
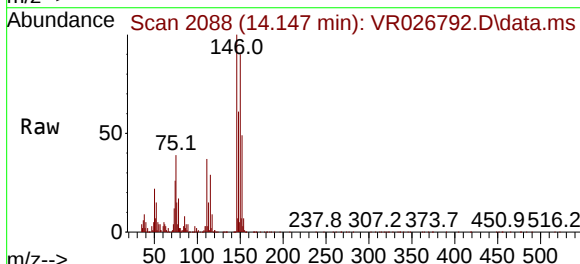
Tgt Ion:146 Resp: 490815

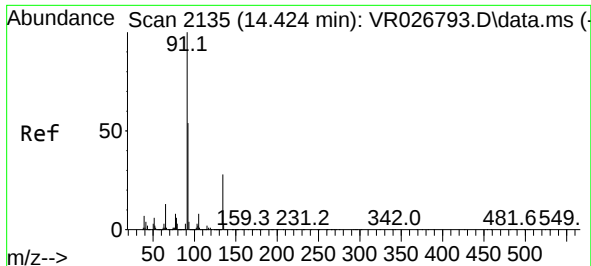
Ion Ratio Lower Upper

146 100

111 40.5 19.6 58.8

148 60.8 31.3 93.9

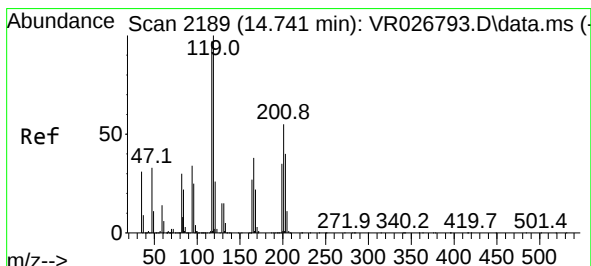
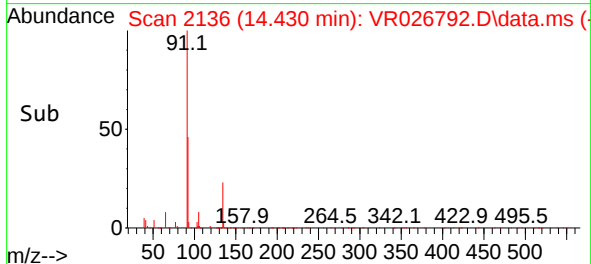
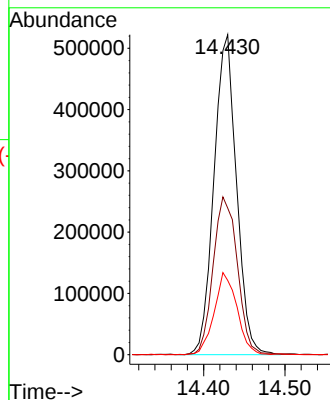
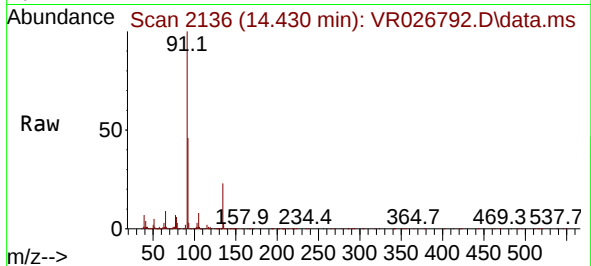




#89  
n-Butylbenzene  
Concen: 18.610 ug/l  
RT: 14.430 min Scan# 2136  
Delta R.T. 0.006 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

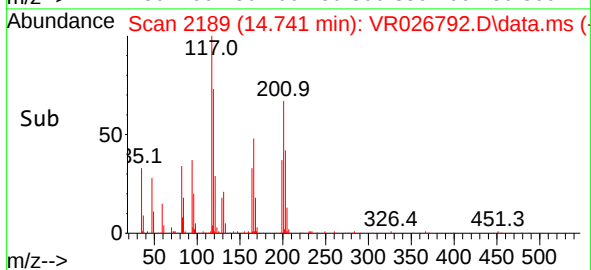
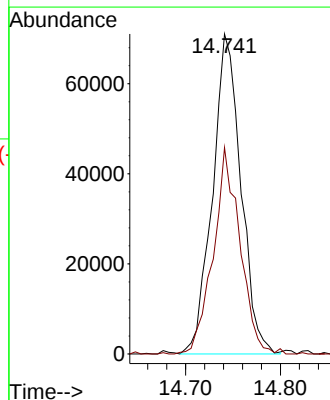
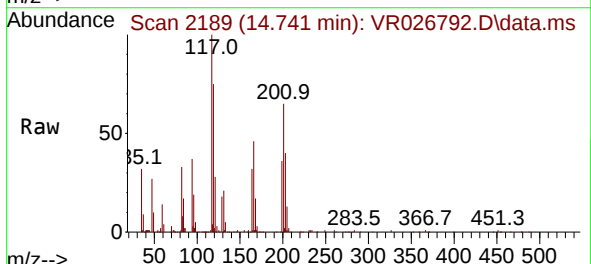
Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTDIC020

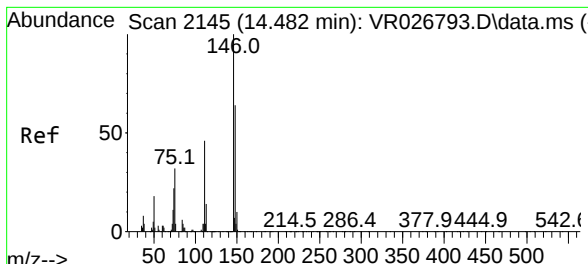
Tgt Ion: 91 Resp: 1006175  
Ion Ratio Lower Upper  
91 100  
92 53.1 26.7 80.1  
134 26.0 12.9 38.7



#90  
Hexachloroethane  
Concen: 18.012 ug/l  
RT: 14.741 min Scan# 2189  
Delta R.T. -0.000 min  
Lab File: VR026792.D  
Acq: 4 Dec 2025 13:05

Tgt Ion: 117 Resp: 147626  
Ion Ratio Lower Upper  
117 100  
201 60.8 32.6 98.0



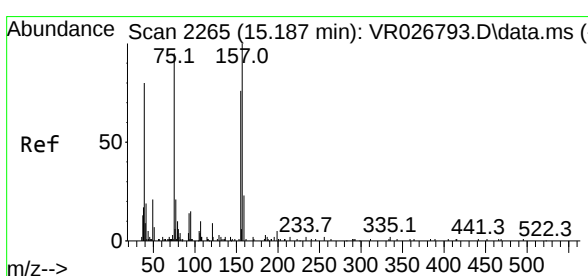
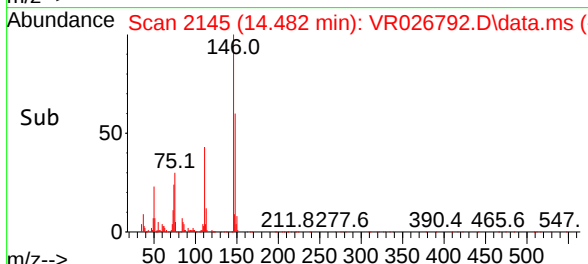
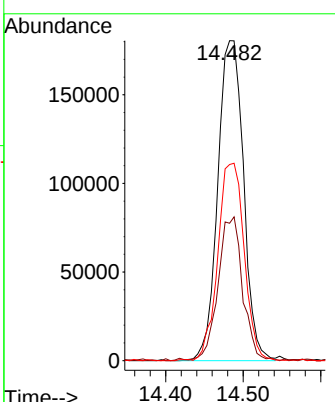
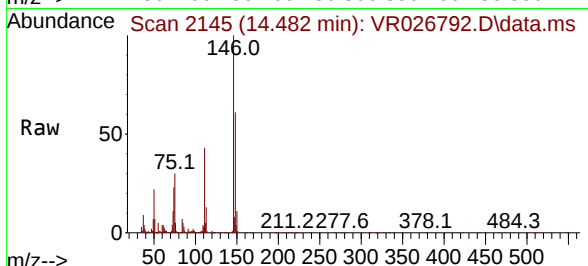


#91  
 1,2-Dichlorobenzene  
 Concen: 18.311 ug/l  
 RT: 14.482 min Scan# 2145  
 Delta R.T. 0.000 min  
 Lab File: VR026792.D  
 Acq: 4 Dec 2025 13:05

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTDIC020

Tgt Ion: 146 Resp: 417483

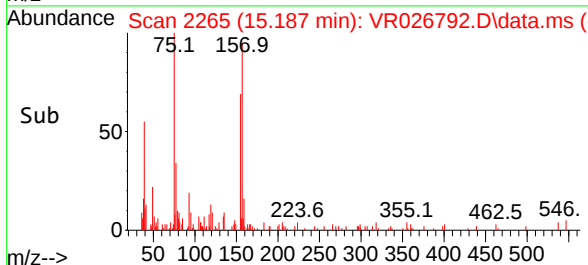
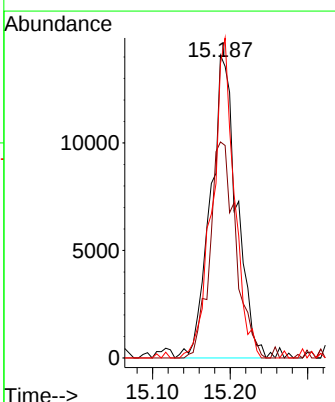
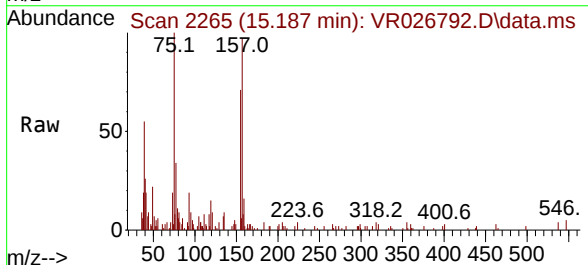
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 42.8  | 20.5  | 61.6  |
| 148 | 63.3  | 31.5  | 94.5  |

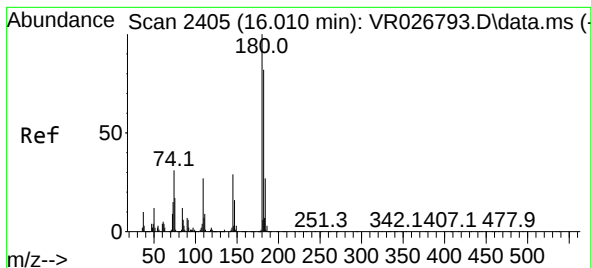


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.187 ug/l  
 RT: 15.187 min Scan# 2265  
 Delta R.T. 0.000 min  
 Lab File: VR026792.D  
 Acq: 4 Dec 2025 13:05

Tgt Ion: 75 Resp: 33207

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 70.4  | 46.7  | 140.0 |
| 157 | 88.7  | 64.0  | 192.2 |





#93

1,2,4-Trichlorobenzene

Concen: 18.402 ug/l

RT: 16.010 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

VSTDIC020

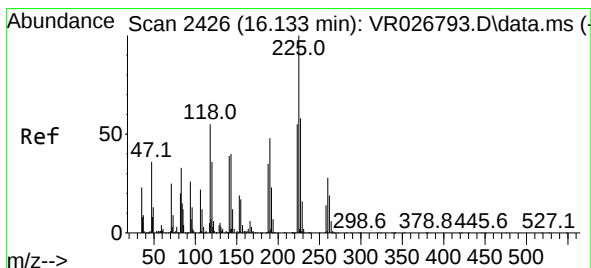
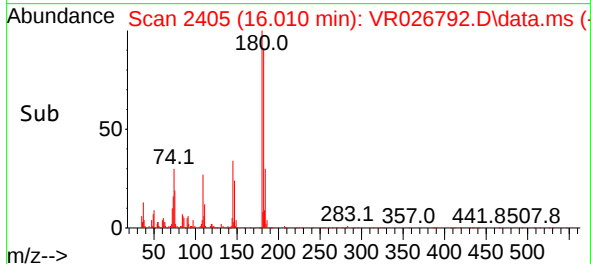
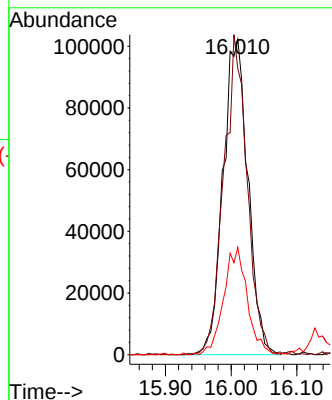
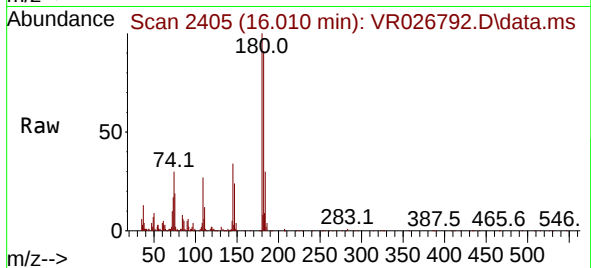
Tgt Ion:180 Resp: 269335

Ion Ratio Lower Upper

180 100

182 94.9 46.4 139.2

145 31.4 16.1 48.2



#94

Hexachlorobutadiene

Concen: 18.048 ug/l

RT: 16.139 min Scan# 2427

Delta R.T. 0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

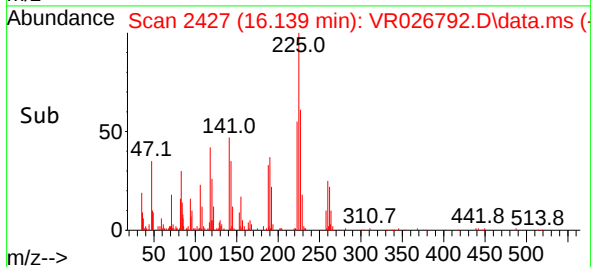
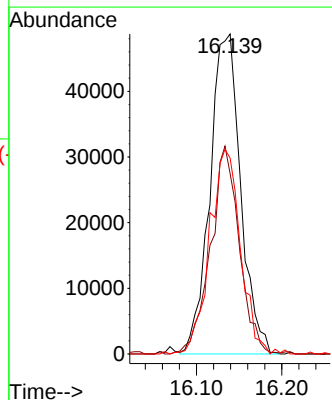
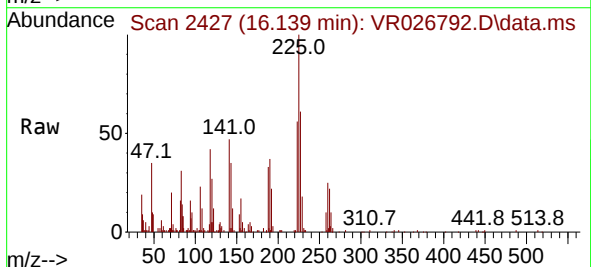
Tgt Ion:225 Resp: 121946

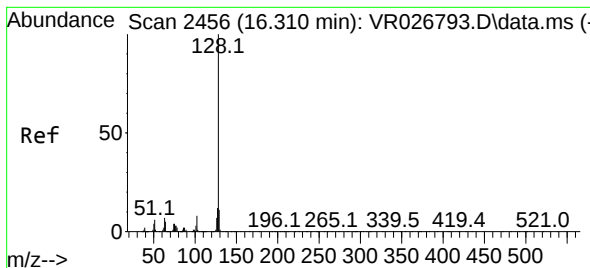
Ion Ratio Lower Upper

225 100

223 60.7 30.3 91.0

227 64.2 32.3 96.9





#95

Naphthalene

Concen: 17.366 ug/l

RT: 16.316 min Scan# 2456

Delta R.T. 0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA\_R

ClientSampleId :

VSTDIC020

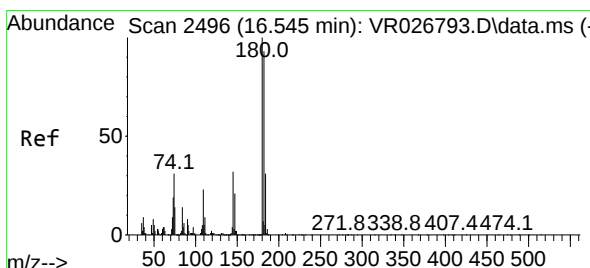
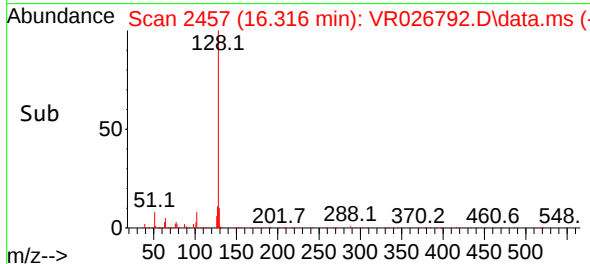
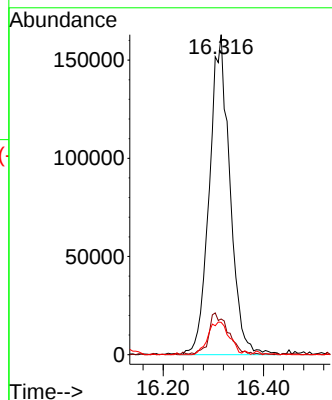
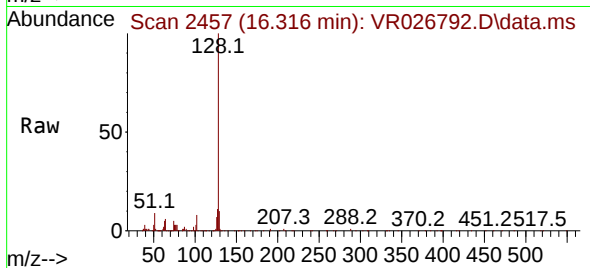
Tgt Ion:128 Resp: 462699

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.2

129 10.6 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 18.608 ug/l

RT: 16.556 min Scan# 2498

Delta R.T. 0.011 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Tgt Ion:180 Resp: 231516

Ion Ratio Lower Upper

180 100

182 92.5 48.2 144.6

145 30.7 16.4 49.2

